PROPOSED SITE PLAN DOCUMENTS

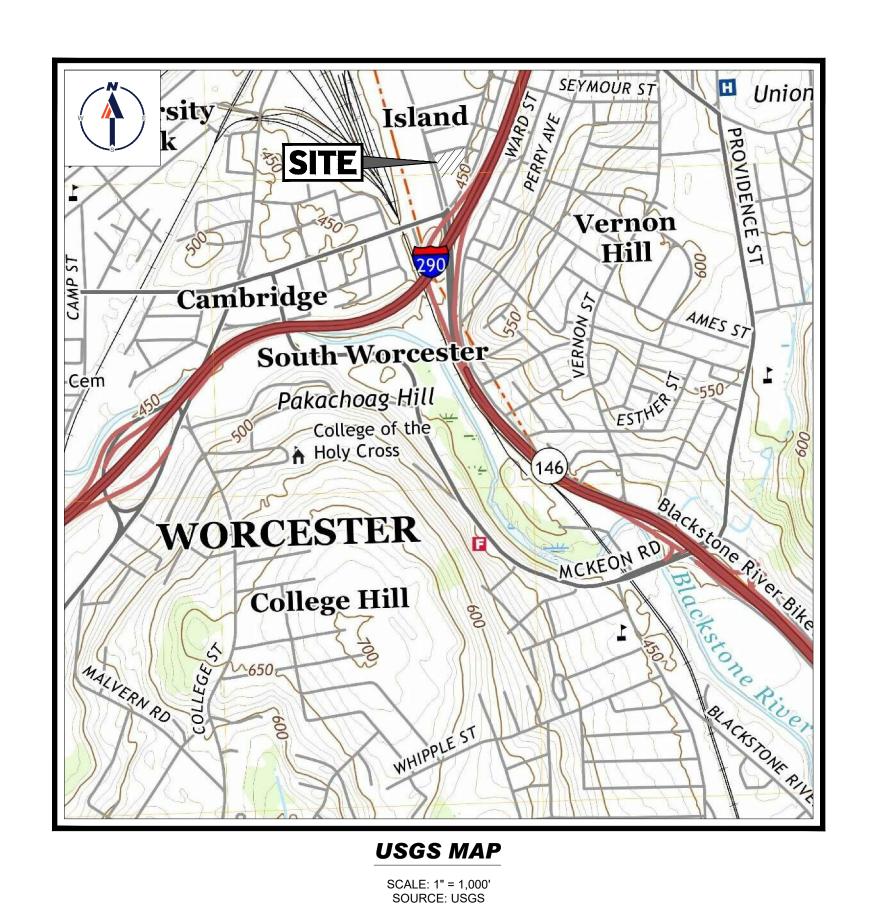
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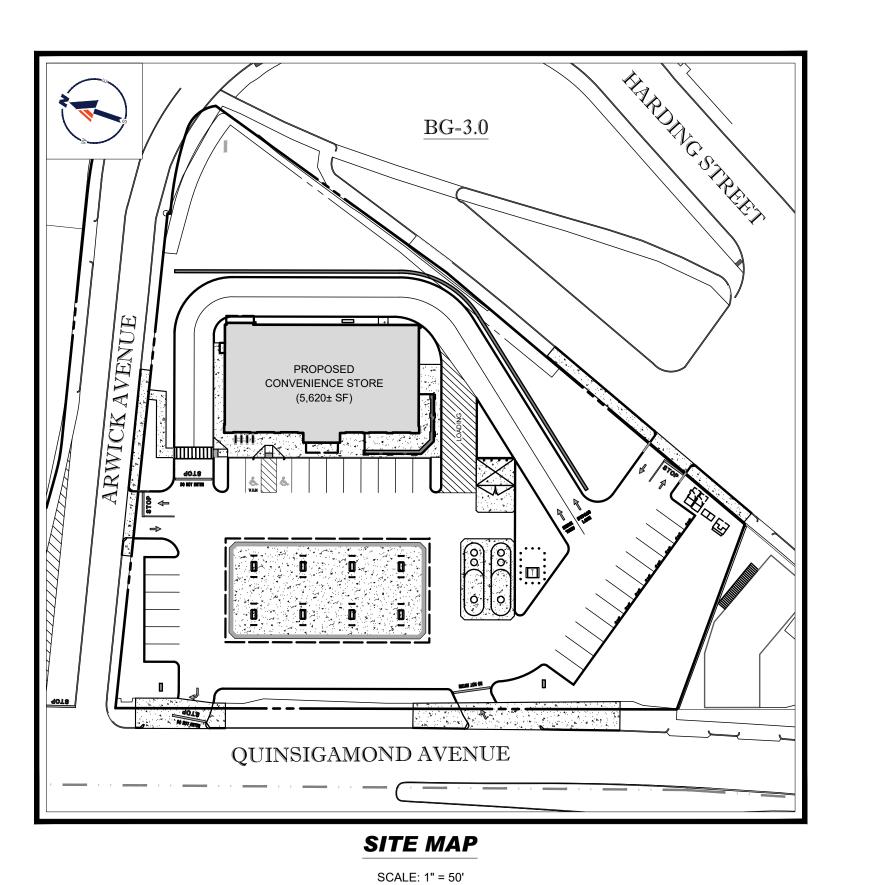
TPG DEVELOPMENT AND CONSTRUCTION

PROPOSED

GAS STATION AND CONVENIENCE STORE

LOCATION OF SITE: 75 QUINSIGAMOND AVENUE, CITY OF WORCESTER WORCESTER COUNTY, MASSACHUSETTS MAP #5, BLOCK #23, LOTS #68-70, 72, 76, 93





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	REVISIONS	
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1	10/27/21	ZBA AND PLANNING	NPD
'	10/2//21	BOARD SUBMISSION	RMN



PERMIT SET

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PROPOSED SITE **PLAN DOCUMENTS**

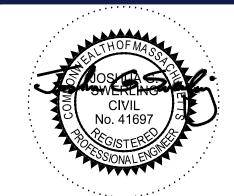
TPG DEVELOPMENT AND CONSTRUCTION

GAS STATION AND CONVENIENCE STORE MAP #5, BLOCK #23, LOTS #68-70, 72, 76, 93 **75 QUINSIGAMOND AVENUE** CITY OF WORCESTER **WORCESTER COUNTY,**

MASSACHUSETTS

SOUTHBOROUGH, MA 01772

www.BohlerEngineering.com



COVER SHEET

C-101

REVISION 1 - 10/27/21

PREPARED BY



GENERAL NOTES

CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE NOTES AND SPECIFICATIONS CONTAINED HEREIN. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL UBCONTRACTORS FULLY AND COMPLETELY CONFORM TO AND COMPLY WITH THESE REQUIREMENTS.

- THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN-
- "ALTA/NSPS LAND TITLE SURVEY", PREPARED BY CONTROL POINT ASSOCIATES, INC., DATED 08/18/21.
- "GEOTECHNICAL ENGINEERING REPORT". PREPARED BY PAUL B. ALDINGER & ASSOCIATES. INC., DATED 06/202
- "PHASE I ENVIRONMENTAL SITE ASSESSMENT", PREPARED BY CMG, DATED 04/20/21.

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST VERIFY THAT HE/SHE HAS THE LATEST EDITION OF THE DOCUMENTS REFERENCED ABOVE. THIS IS CONTRACTOR'S RESPONSIBILITY.

ALL ACCESSIBLE (A/K/A ADA) PARKING SPACES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM. THE MORE STRINGENT OF THE REQUIREMENTS OF THE 'AMERICANS WITH DISABILITIES ACT" (ADA) CODE (42 U.S.C. § 12101 et seq. AND 42 U.S.C. § 4151 et seq.) OR THE REQUIREMENTS OF THE JURISDICTION WHERE THE PROJECT IS TO BE CONSTRUCTED, AND ANY AND ALL AMENDMENTS TO BOTH WHICH ARE IN EFFECT WHEN THESE PLANS ARE COMPLETED.

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE REEN ORTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE COMMENTS TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES AND CONFIRMED THAT ALL NECESSARY OR REQUIRED PERMITS HAVE BEEN OBTAINED. 4.

CONTRACTOR MUST HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES. . THE OWNER/CONTRACTOR MUST BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE

OF A CERTIFICATE OF OCCUPANCY. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND CONDITIONS OF APPROVAL, AND ALL APPLICABLE REQUIREMENTS, RULES, REGULATIONS, STATUTORY REQUIREMENTS, CODES, LAWS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES WITH JURISDICTION OVER THIS PROJECT

THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH HEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND, IN CASE OF 6 CONFLICT. DISCREPANCY OR AMBIGUITY. THE MORE STRINGENT REQUIREMENTS AND/OR RECOMMENDATIONS CONTAINED IN THE PLANS AND THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR MUST NOTIFY THE 7 ENGINEER, IN WRITING, OF ANY SUCH CONFLICT, DISCREPANCY OR AMBIGUITY BETWEEN THE GEOTECHNICAL REPORTS AND PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY FURTHER WORK

THESE PLANS ARE BASED ON INFORMATION PROVIDED TO BOHLER ENGINEERING BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS AND NOTIFY BOHLER ENGINEERING. IN WRITING, IMMEDIATELY IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN. OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.

ALL DIMENSIONS SHOWN ON THE PLANS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR MUST NOTIFY 8. ENGINEER, IN WRITING, IF ANY CONFLICTS, DISCREPANCIES, OR AMBIGUITIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR WORK WHICH HAS TO BE REDONE OR REPAIRED DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO CONTRACTOR GIVING ENGINEER WRITTEN NOTIFICATION OF SAME AND ENGINEER, THEREAFTER, PROVIDING CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK

). CONTRACTOR MUST REFER TO THE ARCHITECTURAL/BUILDING PLANS "OF RECORD" FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY LOCATIONS.

10. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST COORDINATE THE BUILDING LAYOUT BY CAREFUL REVIEW OF THE ENTIRE SITE PLAN AND THE LATEST ARCHITECTURAL PLANS (INCLUDING, BUT NOT LIMITED TO, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION PLAN, WHERE APPLICABLE). CONTRACTOR MUST IMMEDIATELY NOTIFY OWNER, ARCHITECT AND SITE ENGINEER. IN WRITING, OF ANY CONFLICTS, DISCREPANCIES OR

1 DERRIS MUST NOT BE BURIED ON THE SUBJECT SITE AND ALL UNSUITABLE EXCAVATED MATERIAL AND DERRIS (SOUD WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF ANY AND ALL GOVERNMENTAL AUTHORITIES WHICH HAVE JURISDICTION OVER THIS PROJECT OR OVER CONTRACTOR.

2. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING WHEN SHORING IS REQUIRED AND FOR INSTALLING ALL SHORING REQUIRED DURING EXCAVATION (TO BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS) AND ANY ADDITIONAL PRECAUTIONS TO BE TAKEN TO ASSURE THE STABILITY OF ADJACENT NEARBY AND CONTIGUOUS STRUCTURES AND PROPERTIES

3. THE CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO PAVEMENT, STRUCTURES, ETC. WHICH ARE TO REMAIN EITHER FOR AN INITIAL PHASE OF THE PROJECT OR AS PART OF THE FINAL CONDITION. CONTRACTOR IS RESPONSIBLE FOR TAKING ALL APPROPRIATE MEASURES REQUIRED TO ENSURE THE STRUCTURAL STABILITY OF SIDEWALKS AND PAVEMENT, UTILITIES, BUILDINGS, AND INFRASTRUCTURE WHICH ARE TO REMAIN, AND TO PROVIDE A SAFE WORK AREA FOR THIRD PARTIES, PEDESTRIANS AND ANYONE INVOLVED WITH THE PROJECT.

4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. AND SHALL BEAR ALL COSTS ASSOCIATED WITH SAME TO INCLUDE, BUT NOT BE LIMITED TO, REDESIGN, RE-SURVEY, RE-PERMITTING AND CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR AND MUST REPLACE ALL SIGNAL INTERCONNECTION CABLE, WIRING CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION AND MUST BEAR ALL COSTS ASSOCIATED WITH SAME. THE REPAIR OF ANY SUCH NEW OR EXISTING CONSTRUCTION OR PROPERTY MUST RESTORE SUCH CONSTRUCTION OR PROPERTY TO A CONDITION EQUIVALENT TO OR BETTER THAN THE CONDITIONS PRIOR TO COMMENCEMENT OF THE CONSTRUCTION. AND IN CONFORMANCE WITH APPLICABLE CODES, LAWS RULES, REGULATIONS, STATUTORY REQUIREMENTS AND STATU CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND TO NOTIFY THE OWNER AND THE CONSTRUCTION MANAGER PRIOR TO THE START OF

15. ALL CONCRETE MUST BE AIR ENTRAINED AND HAVE THE MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ON THE PLANS,

16. THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS, MEANS, TECHNIQUES OR PROCEDURES, GENERALLY OR FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES OR PROCEDURES FOR COMPLETION OF THE WORK DEPICTED BOTH ON THESE PLANS, AND FOR ANY CONFLICTS/SCOPE REVISIONS WHICH 16. WHEN THE SITE IMPROVEMENT PLANS INVOLVE MULTIPLE BUILDINGS, SOME OF WHICH MAY BE BUILT AT A LATER DATE, THE CONTRACTOR MUST EXTEND ALL LINES, INCLUDING BUT NOT RESULT FROM SAME. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE METHODS/MEANS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION

 $^{\prime}$ THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY. THE ENGINEER OF RECORD HAS NOT BEEN RETAINED TO PERFORM OR BE RESPONSIBLE FOR JOB SITE SAFETY, SAME BEING WHOLLY OUTSIDE OF ENGINEER'S SERVICES AS RELATED TO THE PROJECT. THE ENGINEER OF RECORD IS NOT RESPONSIBLE 17. TO IDENTIFY OR REPORT ANY JOB SITE SAFETY ISSUES. AT ANY TIME

8 ALL CONTRACTORS MUST CARRY THE SPECIFIED STATUTORY WORKER'S COMPENSATION INSURANCE EMPLOYER'S LIABILITY INSURANCE AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME BOHLER ENGINEERING, AND ITS AST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AS ADDITIONAL NAMED INSURED AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE THIS HOLD HARMLESS AND INDEMNITY OBLIGATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF 0.75% WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION AND FOR ONE YEAR AFTER THE COMPLETION OF CONSTRUCTION. IN TS PAST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS FROM AND AGAINST ANY DAMAGES, INJURIES, CLAIMS, ACTIONS, PENALTIES, EXPENSES, PUNITIVE DAMAGES, TORT D OF ACTION LIABILITIES OR COSTS, INCLUDING, BUT NOT LIMITED TO REASONABLE ATTORNEYS' FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY. CONNECTED WITH OR TO THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS, ALL CLAIMS BY THIRD PARTIES AND ALL CLAIMS RELATED

19. BOHLER ENGINEERING WILL REVIEW OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS. SUCH AS SHOP DRAWINGS. PRODUCT DATA THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONSTRUCTION MEANS AND/OR METHODS AND/OR TECHNIQUES OR PROCEDURES, COORDINATION OF THE WORK WITH OTHER TRADES, AND CONSTRUCTION SAFETY PRECAUTIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND BOHLER HAS NO RESPONSIBILITY OR LIABILITY FOR SAME HEREUNDER. BOHLER ENGINEERING'S SHOP DRAWING REVIEW WILL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM MUST NOT 23. INDICATE THAT BOHLER ENGINEERING HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHLER ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT PROMPTLY AND IMMEDIATELY BROUGHT TO ITS ATTENTION. IN WRITING, BY THE CONTRACTOR. BOHLER ENGINEERING WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS

20.NEITHER THE PROFESSIONAL ACTIVITIES OF BOHLER ENGINEERING, NOR THE PRESENCE OF BOHLER ENGINEERING AND/OR ITS PAST, PRESENT AND FUTURE SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AT A CONSTRUCTION/PROJECT SITE, SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, OVERSEEING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT 27 DOCUMENTS AND COMPLIANCE WITH ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES WITH JURISDICTION OVER THE PROJECT AND/OR PROPERTY. BOHLER ENGINEERING AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY. BOHLER ENGINEERING SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND MUST BE NAMED AN ADDITIONAL

21.IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE ENGINEER FOR SUCH DEVIATIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY WORK DONE WHICH DEVIATES FROM THE PLANS. ALL FINES AND/OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND, FURTHER, SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE ENGINEER, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, IN ACCORDANCE WITH PARAGRAPH 19 HEREIN, FOR AND FROM ALL FEES, ATTORNEYS' FEES, DAMAGES, COSTS, JUDGMENTS, 28.

22. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC PLAN FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL EITHER IN THE R.O.W. OR ON SITE. THE COST FOR THIS ITEM MUST BE INCLUDED IN THE CONTRACTOR'S PRICE.

23. ALL SIGNING AND PAVEMENT STRIPING MUST CONFORM TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR LOCALLY APPROVED SUPPLEMENT.

INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE AS DESCRIBED ABOVE IN NOTE 19 FOR JOB SITE SAFETY

24. ENGINEER IS NOT RESPONSIBLE FOR ANY INJURY OR DAMAGES RESULTING FROM CONTRACTOR'S FAILURE TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE 30. LOCATION OF PROPOSED UTILITY POLE RELOCATION IS AT THE SOLE DISCRETION OF UTILITY COMPANY WITH THE APPROVED PLANS. IE CONTRACTOR AND/OR OWNER FAIL TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH APPROVED PLANS. THEY AGREE TO JOINTLY AND SEVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER 31

25. OWNER MUST MAINTAIN AND PRESERVE ALL PHYSICAL SITE FEATURES AND DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, IN STRICT ACCORDANCE WITH THE APPROVED PLAN(S) AND DESIGN AND, FURTHER ENGINEER IS NOT RESPONSIBLE FOR ANY FAILURE TO SO MAINTAIN OR PRESERVE SITE AND/OR DESIGN FEATURES. IF OWNER FAILS TO MAINTAIN AND/OR PRESERVE ALL PHYSICAL SITE FEATURES AND/OR DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, OWNER AGREES TO INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE

26. ALL DIMENSIONS MUST BE TO FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING, UNLESS NOTED OTHERWISE.

27. ALL CONSTRUCTION AND MATERIALS MUST COMPLY WITH AND CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, ORDINANCES, RULES AND CODES, AND ALL APPLICABLE OSHA REQUIREMENTS.

28. CONTRACTOR AND OWNER MUST INSTALL ALL ELEMENTS AND COMPONENTS IN STRICT COMPLIANCE WITH AND ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDED INSTALLATION CRITERIA AND SPECIFICATIONS. IF CONTRACTOR AND/OR OWNER FAIL TO DO SO, THEY AGREE TO JOINTLY AND SEVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.

29. CONTRACTOR IS RESPONSIBLE TO MAINTAIN ON-SITE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN COMPLIANCE WITH EPA REQUIREMENTS FOR SITES WHERE ONE (1) ACRE OR MORE (UNLESS THE LOCAL JURISDICTION REQUIRES FEWER) IS DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR IS RESPONSIBLE TO FASILIRE THAT ALL ACTIVITIES. INCLUDING THOSE OF SUBCONTRACTORS, ARE IN COMPLIANCE WITH THE SWPPP, INCLUDING BUT NOT LIMITED TO LOGGING ACTIVITIES (MINIMUM ONCE PER WEEK AND AFTER RAINFALL EVENTS) AND CORRECTIVE MEASURES, AS APPROPRIATE.

30. AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED APPLICATION DOCUMENTS PREPARED BY THE SIGNATORY PROFESSIONAL ENGINEER, THE USE OF THE WORDS CERTIFY OR CERTIFICATION CONSTITUTES AN EXPRESSION OF "PROFESSIONAL OPINION" REGARDING THE INFORMATION WHICH IS THE SUBJECT OF THE UNDERSIGNED PROFESSIONAL'S KNOWLEDGE OR BELIEF AND IN ACCORDANCE WITH COMMON ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EITHER EXPRESSED OR IMPLIED.

GENERAL GRADING & UTILITY PLAN NOTES

1. LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE INDEPENDENTLY CONFIRMED WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF 1. THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS MUST BE INDEPENDENTLY CONFIRMED BY THE CONTRACTOR IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES MUST IMMEDIATELY BE REPORTED, IN WRITING, TO THE ENGINEER, CONSTRUCTION MUST COMMENCE • "ALTA/NSPS LAND TITLE SURVEY", PREPARED BY CONTROL POINT ASSOCIATES, INC., DATED 08/18/21 BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.

CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL UTILITIES AND SERVICES INCLUDING, BUT NOT LIMITED TO, GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE OR WORK SPACE, WHICHEVER IS GREATER. THE CONTRACTOR MUST USE, REFER TO, AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL 2 DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION, AT NO COST TO THE OWNER. CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION

IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CONSTRUCTION CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION AND COMMENCEMENT OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT AND/OR DISCREPANCY 4. BETWEEN THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE OR APPLICABLE CODES, REGULATIONS LAWS, RULES, STATUTES AND/OR ORDINANCES, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD, IN WRITING, OF SAID CONFLICT AND/OR DISCREPANCY PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR'S FAILURE TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE CONTRACTOR'S FULL AND COMPLETE ACCEPTANCE OF ALL RESPONSIBILITY TO DMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, STATUTES, ORDINANCES AND CODES AND, FURTHER, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SAME.

THE CONTRACTOR MUST LOCATE AND CLEARLY AND UNAMBIGUOUSLY DEFINE VERTICALLY AND HORIZONTALLY ALL ACTIVE AND INACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL ACTIVE AND INACTIVE SYSTEMS THAT ARE NOT BEING REMOVED/RELOCATED DURING SITE

THE CONTRACTOR MUST FAMILIARIZE ITSELF WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION AS IDENTIFIED OR REQUIRED FOR THE PROJECT. THE CONTRACTOR MUST PROVIDE THE OWNER WITH WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH THE JURISDICTION AND UTILITY COMPANY REQUIREMENTS AND ALL OTHER APPLICABLE REQUIREMENTS. RULES. STATUTES, LAWS, ORDINANCES AND CODES

THE CONTRACTOR MUST INSTALL ALL STORM SEWER AND SANITARY SEWER COMPONENTS WHICH FUNCTION BY GRAVITY PRIOR TO THE INSTALLATION OF ALL OTHER UTILITIES CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL DESIGN FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS. GREASE TRAP REQUIREMENTS/DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE ARCHITECT WILL DETERMINE THE UTILITY SERVICE SIZES. THE CONTRACTOR MUST COORDINATE INSTALLATION OF UTILITIES/SERVICES WITH THE INDIVIDUAL COMPANIES, TO AVOID CONFLICTS AND TO ENSURE THAT PROPER DEPTHS ARE ACHIEVED. THE CONTRACTOR IS RESPONSIBLE FOR SUSURING THAT INSTALLATION OF ALL IMPROVEMENTS COMPLIES WITH ALL UTILITY REQUIREMENTS WITH JURISDICTION AND/OR CONTROL OF THE SITE, AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES AND, FURTHER, IS RESPONSIBLE FOR COORDINATING THE UTILITY TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO THE EXISTING UTILITY/SERVICE. WHERE A CONFLICT(S) EXISTS BETWEEN THESE SITE PLANS AND THE ARCHITECTURAL PLANS. OR WHERE ARCHITECTURAL PLAN UTILITY CONNECTION POINTS DIFFER. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER. IN WRITING, AND PRIOR TO CONSTRUCTION, RESOLVE SAME

WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE MUS' INCLUDE ALL FEES, COSTS AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE FULL AND COMPLETE WORKING SERVICE. CONTRACTOR MUST CONTACT THE APPLICABLE MUNICIPALITY TO CONFIRM THE PROPER WATER METER AND VAULT, PRIOR TO COMMENCING CONSTRUCTION.

ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, TELEPHONE, CABLE TV, ETC. ARE TO BE INSTALLED UNDERGROUND. ALL NEW UTILITIES/SERVICES MUST BE INSTALLED IN ACCORDANCE WITH THE UTILITY/SERVICE PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS

SITE GRADING MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT REFERENCED IN THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING UNSUITABLE MATERIALS WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. ALL EXCAVATED OR FILLED AREAS MUST BE COMPACTED AS OUTLINED IN THE GEOTECHNICAL REPORT. MOISTURE CONTENT AT TIME OF PLACEMENT MUST BE SUBMITTED IN A COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER, REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT MUST BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE BY OWNER/DEVELOPER, OR OWNER/DEVELOPER'S REPRESENTATIVE. SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED AS DIRECTED BY THE GEOTECHNICAL REPORT. FARTHWORK ACTIVITIES INCLUDING BUT NOT LIMITED TO EXCAVATION BACKELL AND COMPACTING MUST COMPLY WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. EARTHWORK ACTIVITIES MUST COMPLY WITH THE STANDARD STATE DOT SPECIFICATIONS FOF ROADWAY CONSTRUCTION (LATEST EDITION) AND ANY AMENDMENTS OR REVISIONS THERETO.

ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION MUST BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND MUST BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS. WHEN THE PROJECT DOES NOT HAVE GEOTECHNICAL RECOMMENDATIONS. FILL AND COMPACTION MUST. AT A MINIMUM, COMPLY WITH THE STATE DOT REQUIREMENTS AND SPECIFICATIONS AND CONSULTANT SHALL HAVE NO LIABILITY OR RESPONSIBILITY FOR OR AS RELATED TO FILL. COMPACTION AND BACKFILL. FURTHER, CONTRACTOR IS FULLY RESPONSIBLE FOR EARTHWORK BALANCE.

THE CONTRACTOR MUST COMPLY, TO THE FULLEST EXTENT, WITH THE LATEST OSHA STANDARDS AND REGULATIONS, AND/OR ANY OTHER AGENCY WITH JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA. AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES AND CONSULTANT SHALL HAVE NO RESPONSIBILITY FOR OR AS RELATED FOR OR AS RELATED TO EXCAVATION AND TRENCHING PROCEDURES.

PAVEMENT MUST BE SAW CUT IN STRAIGHT LINES, AND EXCEPT FOR EDGE OF BUTT JOINTS, MUST EXTEND TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS MUST BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED

APPLICABLE STANDARDS, REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. 15. DURING THE INSTALLATION OF SANITARY SEWER, STORM SEWER, AND ALL UTILITIES, THE CONTRACTOR MUST MAINTAIN A CONTEMPORANEOUS AND THOROUGH RECORD OF CONSTRUCTION TO IDENTIFY THE AS-INSTALLED LOCATIONS OF ALL UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR MUST CAREFULLY NOTE ANY INSTALLATIONS THAT DEVIATE

FROM THE INFORMATION CONTAINED IN THE UTILITY PLAN. THIS RECORD MUST BE KEPT ON A CLEAN COPY OF THE DRAINAGE OR UTILITY PLAN, WHICH CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER AT THE COMPLETION OF WORK

LIMITED TO STORM SEWER, SANITARY SEWER, UTILITIES, AND IRRIGATION LINE, TO A POINT AT LEAST FIVE (5) FEET BEYOND THE PAVED AREAS FOR WHICH THE CONTRACTOR IS RESPONSIBLE. CONTRACTOR MUST CAP ENDS AS APPROPRIATE, MARK LOCATIONS WITH A 2X4, AND MUST NOTE THE LOCATION OF ALL OF THE ABOVE ON A CLEAN COPY OF THE DRAINAGE OR UTILITY PLAN. WHICH CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER UPON COMPLETION OF THE WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION

CONTRACTOR MUST CONFIRM AND ENSURE 0.75% MINIMUM SLOPE AGAINST ALL ISLANDS, GUTTERS, AND CURBS; 1.0% ON ALL CONCRETE SURFACES; AND 1.5% MINIMUM ON ASPHALT (EXCEPT WHERE ADA REQUIREMENTS OR EXISTING TOPOGRAPHY LIMIT GRADES), TO PREVENT PONDING. CONTRACTOR MUST IMMEDIATELY IDENTIFY, IN WRITING TO THE ENGINEER, ANY DISCREPANCIES THAT MAY OR COULD AFFECT THE PUBLIC SAFETY. HEALTH OR GENERAL WELFARE, OR PROJECT COST. JE CONTRACTOR PROCEEDS WITH CONSTRUCTION. WITHOUT PROVIDING PROPER NOTIFICATION. MUST BE AT THE CONTRACTOR'S OWN RISK AND, FURTHER, CONTRACTOR SHALL INDEMNIFY, DEFEND AND HOLD HARMLESS THE DESIGN ENGINEER FOR ANY DAMAGES, COSTS, INJURIES, ATTORNEY'S FEES AND THE LIKE WHICH RESULT FROM SAME

CONTRACTORS MUST FURNISH BOHLER ENGINEERING WITH CERTIFICATIONS OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING GUTTER GRADE ALONG CURB FACE. IT IS CONTRACTOR'S OBLIGATION TO ENSURE THAT DESIGN ENGINEER APPROVES FINAL CURBING CUT SHEETS PRIOR TO INSTALLATION OF SAME.

ADDITION, ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, INDEMNIFY, DEFEND AND HOLD HARMLESS BOHLER ENGINEERING AND 19. IN THE EVENT OF DISCREPANCIES AND/OR CONFLICTS BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE AND CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEER. IN WRITING, OF ANY DISCREPANCIES AND/OR CONFLICTS

MUST SUPPLY A COPY OF APPROVALS TO ENGINEER AND OWNER PRIOR TO INITIATING ANY WORK TO THE PROJECT. CONTRACTOR MUST NOTIFY ENGINEER, IN WRITING, AT LEAST THIRTY (30) DAYS PRIOR TO ANY TERMINATION, SUSPENSION OR CHANGE OF ITS 21. WHERE RETAINING WALLS (WHETHER OR NOT THEY MEET THE JURISDICTIONAL DEFINITION) ARE IDENTIFIED ON PLANS, ELEVATIONS IDENTIFIED ARE FOR THE EXPOSED PORTION OF THE WALL. WALL FOOTINGS/FOUNDATION ELEVATIONS ARE NOT IDENTIFIED HEREIN AND ARE TO BE SET/DETERMINED BY THE CONTRACTOR BASED ON FINAL STRUCTURAL DESIGN SHOP

SAMPLES, AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH 22 STORM SEWER PIPE MUST BE REINFORCED CONCRETE PIPE (RCP) CLASS III WITH SILT TIGHT JOINTS. WHEN HIGH-DENSITY POLYETHYLENE PIPE (HDPE) IS CALLED FOR ON THE PLANS. IT MUST CONFORM TO AASHTO M294 AND TYPE S (SMOOTH INTERIOR WITH ANGULAR CORRUGATIONS) WITH GASKET FOR SILT TIGHT JOINT. PVC PIPE FOR ROOF DRAIN CONNECTION MUST BE SDR 26 OR SCHEDULE 40 UNLESS INDICATED OTHERWISE.

> UNLESS INDICATED OTHERWISE ON THE DRAWINGS, SANITARY SEWER PIPE SHALL BE AS FOLLOWS: FOR PIPES LESS THAN 12 FT. DEEP: POLYVINYL CHLORIDE (PVC) SDR 35 PER ASTM D3034

RAWINGS PREPARED BY THE APPROPRIATE PROFESSIONAL LICENSED IN THE STATE WHERE THE CONSTRUCTION OCCURS

FOR PIPES MORE THAN 12 FT. DEEP: POLYVINYL CHLORIDE (PVC) SDR 26 PER ASTM D3034 FOR PIPE WITHIN 10 FT. OF BUILDING, PIPE MATERIAL SHALL COMPLY WITH APPLICABLE BUILDING AND PLUMBING CODES. CONTRACTOR TO VERIFY WITH LOCAL OFFICIALS.

25. STORM AND SANITARY SEWER PIPE LENGTHS INDICATED ARE NOMINAL AND MEASURED CENTER OF INLET AND/OR MANHOLES STRUCTURE TO CENTER OF STRUCTURE

OWNERS OFFICERS DIRECTORS PARTNERS SHAREHOLDERS MEMBERS PRINCIPALS COMMISSIONERS AGENTS SERVANTS EMPLOYEES AFFILIATES 26 STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON PRELIMINARY ARCHITECTURAL PLANS CONTRACTOR IS RESPONSIBLE TO AND FOR VERIFYING LOCATIONS OF SAME BASED ON

SEWERS CROSSING STREAMS AND/OR LOCATION WITHIN 10 FEET OF THE STREAM EMBANKMENT, OR WHERE SITE CONDITIONS SO INDICATE, MUST BE CONSTRUCTED OF STEEL REINFORCED CONCRETE, DUCTILE IRON OR OTHER SUITABLE MATERIAL. SEWERS CONVEYING SANITARY FLOW COMBINED SANITARY AND STORMWATER FLOW OR INDUSTRIAL FLOW MUST BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE. THE PIPES MUST BE IN SEPARATE TRENCHES WITH THE SEWER AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR SUCH OTHER SEPARATION AS APPROVED BY THE GOVERNMENT AGENCY WITH JURISDICTION OVER SAME

WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER MUST BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED ADA INSTRUCTIONS TO CONTRACTOR: SO BOTH JOINTS WILL BE AS FAR FROM THE WATER LINE AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER WATER MAIN PIPING MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL WATER PURVEYOR. IN THE ABSENCE OF SUCH

REQUIREMENTS, WATER MAIN PIPING MUST BE CEMENT-LINED DUCTILE IRON (DIP) MINIMUM CLASS 52 THICKNESS. ALL PIPE AND APPURTENANCES MUST COMPLY WITH THE APPLICABLE AWWA STANDARDS IN EFFECT AT THE TIME OF APPLICATION. 29. CONTRACTOR MUST ENSURE THAT ALL UTILITY TRENCHES LOCATED IN EXISTING PAVED ROADWAYS INCLUDING SEWER, WATER AND STORM SYSTEMS, MUST BE REPAIRED IN

ACCORDANCE WITH REFERENCED MUNICIPAL, COUNTY AND/OR DOT DETAILS AS APPLICABLE. CONTRACTOR MUST COORDINATE INSPECTION AND APPROVAL OF COMPLETED WORK WITH THE AGENCY WITH JURISDICTION OVER SAME.

CONSULTANT IS NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER, SHALL HAVE NO LIABILITY FOR ANY HAZARDOUS MATERIALS, HAZARDOUS SUBSTANCES. OR POLLUTANTS ON, ABOUT OR UNDER THE PROPERTY

GENERAL DEMOLITION NOTES

- "GEOTECHNICAL ENGINEERING REPORT", PREPARED BY PAUL B. ALDINGER & ASSOCIATES, INC., DATED 06/2021.
- "PHASE I ENVIRONMENTAL SITE ASSESSMENT", PREPARED BY CMG, DATED 04/20/21.
- CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, (29 U.S.C. 651 et seq.), AS
- AMENDED AND ANY MODIFICATIONS, AMENDMENTS OR REVISIONS TO SAME BOHLER ENGINEERING HAS NO CONTRACTUAL, LEGAL, OR OTHER RESPONSIBILITY FOR JOB SITE SAFETY OR JOB SITE SUPERVISION, OR ANYTHING RELATED TO SAME
- THE DEMOLITION PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION, ONLY, REGARDING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR MUST ALSO REVIEW THE OTHER SITE PLAN DRAWINGS AND INCLUDE IN DEMOLITION ACTIVITIES ALL INCIDENTAL WORK NECESSARY FOR THE CONSTRUCTION OF THE NEW SITE
- CONTRACTOR MUST RAISE ANY QUESTIONS CONCERNING THE ACCURACY OR INTENT OF THESE PLANS OR SPECIFICATIONS. CONCERNS REGARDING THE APPLICABLE SAFETY STANDARDS. OR THE SAFETY OF THE CONTRACTOR OR THIRD PARTIES IN PERFORMING THE WORK ON THIS PROJECT, WITH BOHLER ENGINEERING. IN WRITING. AND RESPONDED TO BY BOHLER. IN WRITING, PRIOR TO THE INITIATION OF ANY SITE ACTIVITY AND ANY DEMOLITION ACTIVITY. ALL DEMOLITION ACTIVITIES MUST BE PERFORMED. IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, RULES REQUIREMENTS STATUTES ORDINANCES AND CODES
- PRIOR TO STARTING ANY DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR/TO:
- A.OBTAINING ALL REQUIRED PERMITS AND MAINTAINING THE SAME ON SITE FOR REVIEW BY THE ENGINEER AND OTHER PUBLIC AGENCIES WITH JURISDICTION THROUGHOUT THE DURATION OF THE PROJECT, SITE WORK, AND DEMOLITION WORK
- B.NOTIFYING, AT A MINIMUM, THE MUNICIPAL ENGINEER, DESIGN ENGINEER, AND LOCAL SOIL CONSERVATION DISTRICT, 72 HOURS PRIOR TO THE START OF WORK.
- C.INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
- D.IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR MUST CALL THE STATE ONE-CALL DAMAGE PROTECTION SYSTEM FOR UTILITY MARKOUT, IN ADVANCE OF ANY
- E LOCATING AND PROTECTING ALL LITHLITES AND SERVICES INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE FIRER OPTIC CARLE ETC. WITHIN AND ADJACENT TO THE LIMITS OF PROJECT ACTIVITIES. THE CONTRACTOR MUST USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES

F. PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE UTILITIES AND SYSTEMS THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.

G.ARRANGING FOR AND COORDINATING WITH THE APPLICABLE UTILITY SERVICE PROVIDER(S) FOR THE TEMPORARY OR PERMANENT TERMINATION OF SERVICE REQUIRED BY HE PROJECT PLANS AND SPECIFICATIONS. THE CONTRACTOR MUST PROVIDE THE UTILITY ENGINEER AND OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES ND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTIONAL AND UTILITY COMPANY REQUIREMENTS.

H.COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES. WORK REQUIRED TO BE DONE "OFF-PEAK" IS TO BE DONE AT NO ADDITIONAL COST TO THE OWNER.

I. IN THE EVENT THE CONTRACTOR DISCOVERS ANY HAZARDOUS MATERIAL, THE REMOVAL OF WHICH IS NOT ADDRESSED IN THE PROJECT PLANS AND SPECIFICATIONS, THE CONTRACTOR MUST IMMEDIATELY CEASE ALL WORK AND IMMEDIATELY NOTIFY THE OWNER AND ENGINEER OF THE DISCOVERY OF SUCH MATERIALS.

THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR MUST PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY.

THE CONTRACTOR MUST PROVIDE ALL "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN. CONTRACTOR MUST USE NEW MATERIAL FOR ALL REPAIRS. CONTRACTOR'S REPAIR MUST INCLUDE THE RESTORATION OF ANY ITEMS REPAIRED TO THE PRE-DEMOLITION CONDITION, OR BETTER. CONTRACTOR SHALL PERFORM ALL REPAIRS AT THE CONTRACTOR'S SOLE EXPENSE

THE CONTRACTOR MUST NOT PERFORM ANY EARTH MOVEMENT ACTIVITIES, DEMOLITION OR REMOVAL OF FOUNDATION WALLS, FOOTINGS, OR OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE UNLESS SAME IS IN STRICT ACCORDANCE AND CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, AND/OR UNDER THE WRITTEN DIRECTION OF THE OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER.

CONTRACTOR MUST BACKFILL ALL EXCAVATION RESULTING FROM, OR INCIDENTAL TO, DEMOLITION ACTIVITIES. BACKFILL MUST BE ACCOMPLISHED WITH APPROVED BACKFILL MATERIALS, AND MUST BE SUFFICIENTLY COMPACTED TO SUPPORT NEW IMPROVEMENTS AND PERFORMED IN COMPLIANCE WITH THE RECOMMENDATIONS AND GUIDANCE IN THE GEOTECHNICAL REPORT. BACKFILLING MUST OCCUR IMMEDIATELY AFTER DEMOLITION ACTIVITIES, AND MUST BE DONE SO AS TO PREVENT WATER ENTERING THE EXCAVATION. FINISHED SURFACES MUST BE GRADED TO PROMOTE POSITIVE DRAINAGE.

EXPLOSIVES MUST NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND ALL APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE REQUIRED PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS MUST BE IN PLACE PRIOR TO CONTRACTOR STARTING AN EXPLOSIVE PROGRAM AND/OR ANY DEMOLITION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES

CONTRACTOR MUST PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE CURRENT FHWA "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), AND THE FEDERAL, STATE, AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS AND/OR ROADWAY

CONTRACTOR MUST CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND HER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY PRIOR TO THE COMMENCEMENT OF ANY ROAD OPENING OR DEMOLITION ACTIVITIES IN OR ADJACENT TO THE RIGHT-OF-WAY.

DEMOLITION ACTIVITIES AND EQUIPMENT MUST NOT USE AREAS OUTSIDE THE DEFINED PROJECT LIMIT LINE, WITHOUT WRITTEN PERMISSION OF THE OWNER AND ALL GOVERNMENTAL AGENCIES WITH JURISDICTION.

THE CONTRACTOR MUST USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL. STATE AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, CONTRACTOR MUST CLEAN ALL ADJACENT STRUCTURES AND IMPROVEMENTS TO REMOVE ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.

16. CONTRACTOR IS RESPONSIBLE TO SAFEGUARD THE SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME

CONTRACTOR IS RESPONSIBLE FOR SITE JOB SAFETY, WHICH MUST INCLUDE, BUT NOT BE LIMITED TO, THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENCING AND OTHER APPROPRIATE SAFETY ITEMS NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION AND CONSTRUCTION ACTIVITY.

THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION AS TO THE MEANS METHODS SEQUENCING TECHNIQUES AND PROCEDURES TO BE USED TO ACCOMPLISH THAT WORK. ALL MEANS METHODS SEQUENCING TECHNIQUES AND PROCEDURES TO BE USED MUST BE IN STRICT ACCORDANCE WITH ALL STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR MUST COMPLY WITH ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.

DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES. THE CONTRACTOR MUST MAINTAIN RECORDS TO DEMONSTRATE PROPER DISPOSAL ACTIVITIES, TO BE PROMPTLY PROVIDED TO THE OWNER UPON REQUEST

20. CONTRACTOR MUST MAINTAIN A RECORD SET OF PLANS UPON WHICH IS INDICATED THE LOCATION OF EXISTING UTILITIES THAT ARE CAPPED, ABANDONED IN PLACE, OR RELOCATED DUE TO DEMOLITION ACTIVITIES. THIS RECORD DOCUMENT MUST BE PREPARED IN A NEAT AND WORKMAN-LIKE MANNER, AND TURNED OVER TO THE

CONTRACTORS MUST EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA (ACCESSIBLE) ACCESSIBLE COMPONENTS AND ACCESS ROUTES FOR THE SITE. THESE COMPONENTS, AS CONSTRUCTED, MUST COMPLY WITH ALL APPLICABLE STATE AND LOCAL ACCESSIBILITY LAWS AND REGULATIONS AND THE CURRENT ADA AND/OR STATE ARCHITECTURAL ACCESS BOARD STANDARDS AND REGULATIONS' BARRIER FREE ACCESS AND ANY MODIFICATIONS, REVISIONS OR UPDATES TO SAME. FINISHED SURFACES ALONG THE ACCESSIBLE ROUTE OF TRAVEL FROM PARKING SPACE, PUBLIC TRANSPORTATION, PEDESTRIAN ACCESS, INTER-BUILDING ACCESS, TO POINTS OF ACCESSIBLE BUILDING ENTRANCE/EXIT. MUST COMPLY WITH THESE ADA AND/OR ARCHITECTURAL ACCESS BOARD CODE REQUIREMENTS. THESE INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

• PARKING SPACES AND PARKING AISLES - SLOPE SHALL NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.

CURB RAMPS - SLOPE MUST NOT EXCEED 1:12 (8.3%) FOR A MAXIMUM OF SIX (6) FEET.

• LANDINGS - MUST BE PROVIDED AT EACH END OF RAMPS, MUST PROVIDE POSITIVE DRAINAGE, AND MUST NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN ANY

 PATH OF TRAVEL ALONG ACCESSIBLE ROUTE - MUST PROVIDE A 36-INCH OR GREATER UNORSTRUCTED WIDTH OF TRAVEL (CAR OVERHANGS AND/OR HANDRAILS CANNOT REDUCE THIS MINIMUM WIDTH). THE SLOPE MUST BE NO GREATER THAN 1:20 (5.0%) IN THE DIRECTION OF TRAVEL, AND MUST NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN CROSS SLOPE. WHERE PATH OF TRAVEL WILL BE GREATER THAN 1:20 (5.0%), ADA RAMP MUST BE ADHERED TO. A MAXIMUM SLOPE OF 1:12 (8.3%), FOR A MAXIMUM RISE OF 2.5 FEET, MUST BE PROVIDED. THE RAMP MUST HAVE ADA HAND RAILS AND "LEVEL" LANDINGS ON EACH END THAT ARE CROSS SLOPED NO MORE THAN 1:50 IN ANY DIRECTION (1/4" PER FOOT OR NOMINALLY 2.0%) FOR POSITIVE DRAINAGE.

 DOORWAYS - MUST HAVE A "LEVEL" LANDING AREA ON THE EXTERIOR SIDE OF THE DOOR THAT IS SLOPED AWAY FROM THE DOOR NO MORE THAN 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) FOR POSITIVE DRAINAGE. THIS LANDING AREA MUST BE NO LESS THAN 60 INCHES (5 FEET) LONG, EXCEPT WHERE OTHERWISE PERMITTED BY ADA STANDARDS FOR ALTERNATIVE DOORWAY OPENING CONDITIONS. (SEE ICC/ANSI A117.1-2003 AND OTHER REFERENCED INCORPORATED BY CODE.)

• WHEN THE PROPOSED CONSTRUCTION INVOLVES RECONSTRUCTION, MODIFICATION, REVISION OR EXTENSION OF OR TO ADA COMPONENTS FROM EXISTING DOORWAYS OR SURFACES CONTRACTOR MUST VERIEY EXISTING FLEVATIONS SHOWN ON THE PLAN. NOTE THAT TABLE 405.2 OF THE DEPARTMENT OF JUSTICE'S ADA STANDARDS FOR ACCESSIBLE DESIGN ALLOWS FOR STEEPER RAMP SLOPES. IN RARE CIRCUMSTANCES. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES AND/OR FIELD CONDITIONS THAT DIFFER IN ANY WAY OR ANY RESPECT FROM WHAT IS SHOWN ON THE PLANS. IN WRITING, BEFORE COMMENCEMENT OF WORK. CONSTRUCTED IMPROVEMENTS MUST FALL WITHIN THE MAXIMUM AND MINIMUM LIMITATIONS IMPOSED BY THE BARRIER FREE REGULATIONS AND THE ADA

• THE CONTRACTOR MUST VERIEY THE SLOPES OF CONTRACTOR'S FORMS PRIOR TO POLIRING CONCRETE. IF ANY NON-CONFORMANCE IS OBSERVED OR EXISTS. CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO POURING CONCRETE. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS TO REMOVE, REPAIR AND

IT IS STRONGLY RECOMMENDED THAT THE CONTRACTOR REVIEW THE INTENDED CONSTRUCTION WITH THE LOCAL BUILDING CODE PRIOR TO COMMENCEMENT OF

TYPICAL ABBREVIATIONS

KEY	DESCRIPTION	KEY	DESCRIPTION
ВС	BOTTOM CURB	PROP.	PROPOSED
TC	TOP CURB	TBR/R	TO BE REMOVED AND REPLACED
вос	BACK OF CURB	TBR	TO BE REMOVED
BW	BOTTOM OF WALL GRADE	TPF	TREE PROTECTION FENCE
TW	TOP OF WALL	BLDG.	BUILDING
EXIST.	EXISTING	SF	SQUARE FEET
BM.	BENCHMARK	SMH	SEWER MANHOLE
EOP	EDGE OF PAVEMENT	DMH	DRAIN MANHOLE
Ą	CENTERLINE	STM.	STORM
FF	FINISHED FLOOR	SAN.	SANITARY
V.I.F.	VERIFY IN FIELD	CONC.	CONCRETE
GC	GENERAL CONTRACTOR	ARCH.	ARCHITECTURAL
HP	HIGH POINT	DEP.	DEPRESSED
LP	LOW POINT	R	RADIUS
TYP.	TYPICAL	MIN.	MINIMUM
INT.	INTERSECTION	MAX.	MAXIMUM
PC.	POINT OF CURVATURE	No. / #	NUMBER
PT.	POINT OF TANGENCY	W.	WIDE
PI.	POINT OF INTERSECTION	DEC.	DECORATIVE
PVI.	POINT OF VERTICAL INTERSECTION	ELEV.	ELEVATION
STA.	STATION	UNG.	UNDERGROUND
GRT	GRATE	R.O.W.	RIGHT OF WAY
INV.	INVERT	LF	LINEAR FOOT
DIP	DUCTILE IRON PIPE	LOD	LIMIT OF DISTURBANCE
PVC	POLYVINYL CHLORIDE PIPE	LOW	LIMIT OF WORK
HDPE	HIGH DENSITY POLYETHYLENE PIPE	L.S.A.	LANDSCAPED AREA
RCP	REINFORCED CONCRETE PIPE	±	PLUS OR MINUS
S	SLOPE	٥	DEGREE
ME	MEET EXISTING	Ø / DIA.	DIAMETER

TVDICAL LEGEND

EXISTING		PROPOSED
	PROPERTY LINE	
	SETBACK	
	EASEMENT	
	CURB	
Ø	STORM MANHOLE	©
<u> </u>	SEWER MANHOLE	©
	CATCH BASIN	
△ _{WF#5}	WETLAND FLAG	
	WETLAND LINE	
× 54.83	SPOT ELEVATION	53.52
× TC 54.58 G 53.78	TOP & BOTTOM OF CURB	TC=54.32 BC=53.82
53	CONTOUR	50
	FLOW ARROW	5%_
	PAINTED ARROW	
	RIDGE LINE	
	GAS LINE	
	TELEPHONE LINE	ттттт
E	ELECTRIC LINE	EE
	WATER LINE	
OHOH	OVERHEAD WIRE	——— OH——— OH———
= = = = = = = =	STORM PIPE	
========	SANITARY LINE	
10	PARKING COUNT	4
-	SIGN	
⋄	LIGHT POLE	
	GUIDE RAIL	
Ø	UTILITY POLE	ø

REFER TO SITE PLAN FOR ZONING ANALYSIS TABLE AND LAND USE **ZONING INFORMATION & NOTES**

REFER TO EROSION CONTROL NOTES & DETAILS SHEET FOR TYPICAL EROSION **NOTES AND DETAILS**

REFER TO LIGHTING PLAN FOR TYPICAL LIGHTING NOTES AND TABLES

It's fast. It's free. It's the law.

IY	PICAL LEGE	ND	
ISTING		PROPOSED	PERMIT SET
	PROPERTY LINE		1
	—— SETBACK		THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCT
	EASEMENT		DOCUMENT UNLESS INDICATED OTHERWISE.
	CURB =		PROJECT No.: W2110
Ø	STORM MANHOLE	©	DRAWN BY: NI CHECKED BY: RM
S	SEWER MANHOLE	©	DATE: 08/20/20 CAD I.D.: W211067-CVI
	CATCH BASIN		PROJECT:
NF#5	WETLAND FLAG		
	WETLAND LINE		PROPOSED SITE
54.83	SPOT ELEVATION	53.52	PLAN DOCUMENTS
TC 54.58 G 53.78	TOP & BOTTOM OF CURB	TC=54.32 BC=53.82	FOR
53 — — —	CONTOUR .	50	
	FLOW ARROW	<u>-5%</u>	TPG DEVELOPMENT
\	PAINTED ARROW	\	AND CONSTRUCTION
	RIDGE LINE _		PROPOSED
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REVISION 1 - 10/27/21

REVISIONS COMMENT

REV DATE ZBA AND PLANNING 10/27/21 BOARD SUBMISSION



GAS STATION AND **CONVENIENCE STORE** MAP #5, BLOCK #23, LOTS #68-70, 72, 76, 93 **75 QUINSIGAMOND AVENUE** CITY OF WORCESTER WORCESTER COUNTY,

MASSACHUSETTS

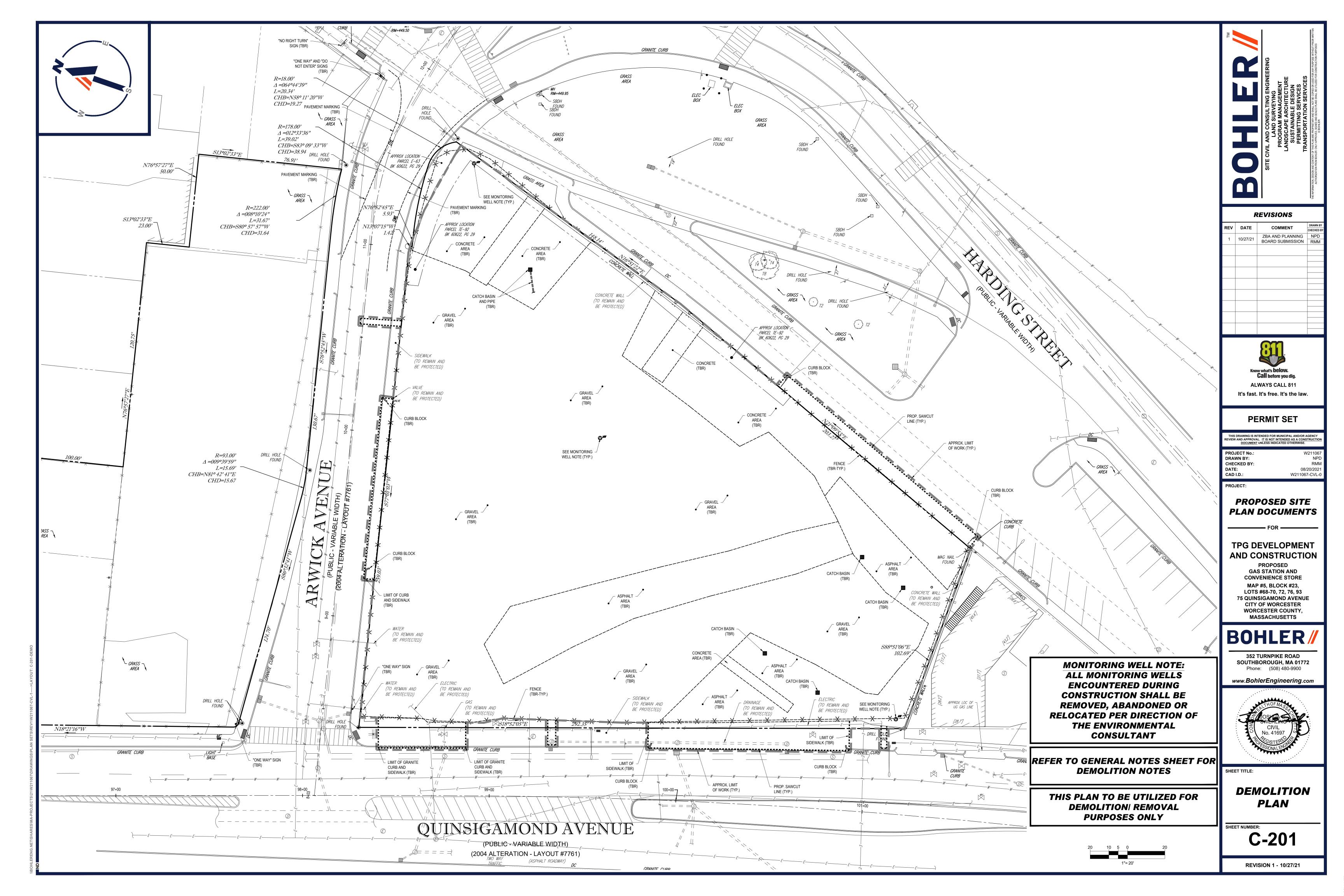
352 TURNPIKE ROAD **SOUTHBOROUGH, MA 01772** Phone: (508) 480-9900

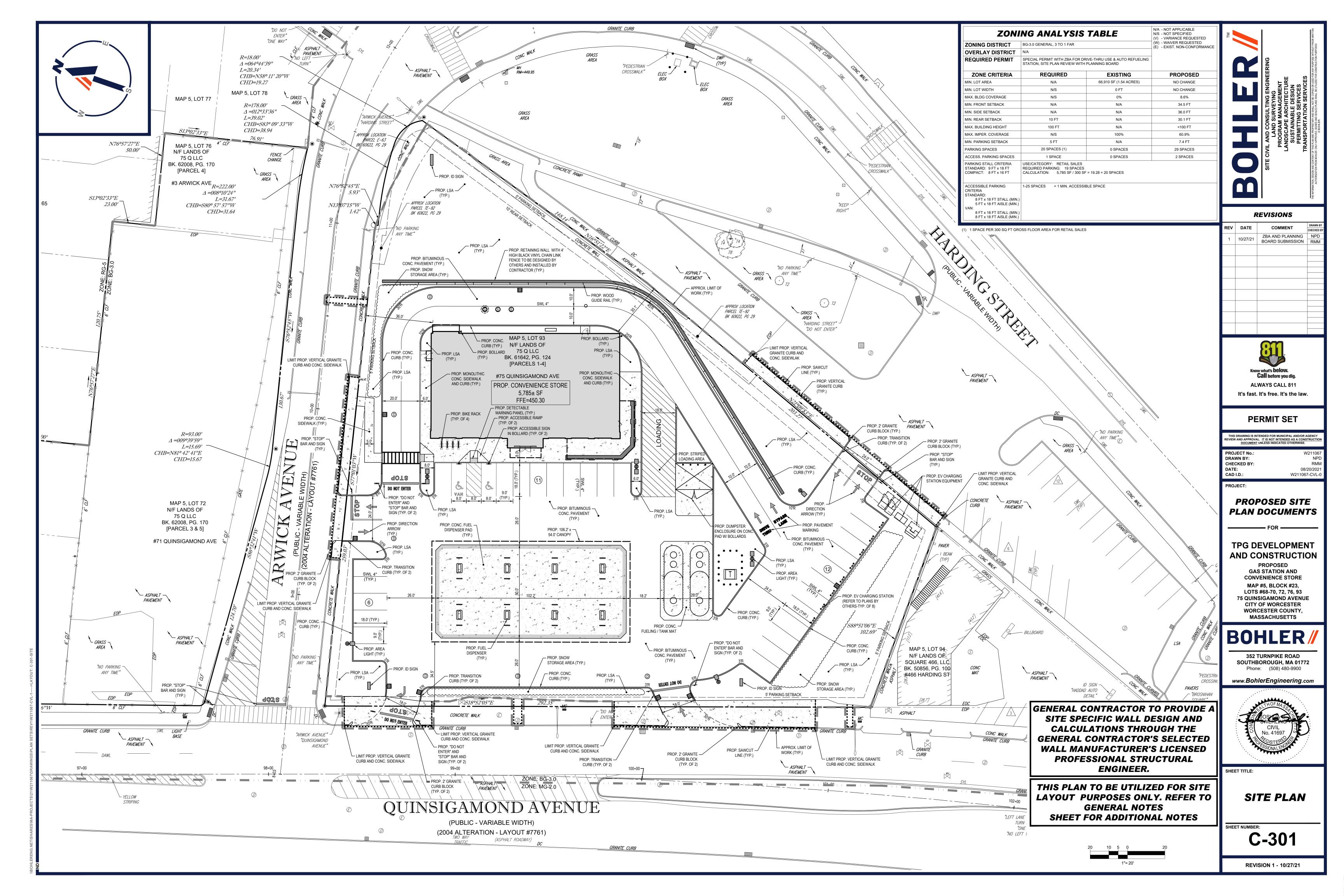
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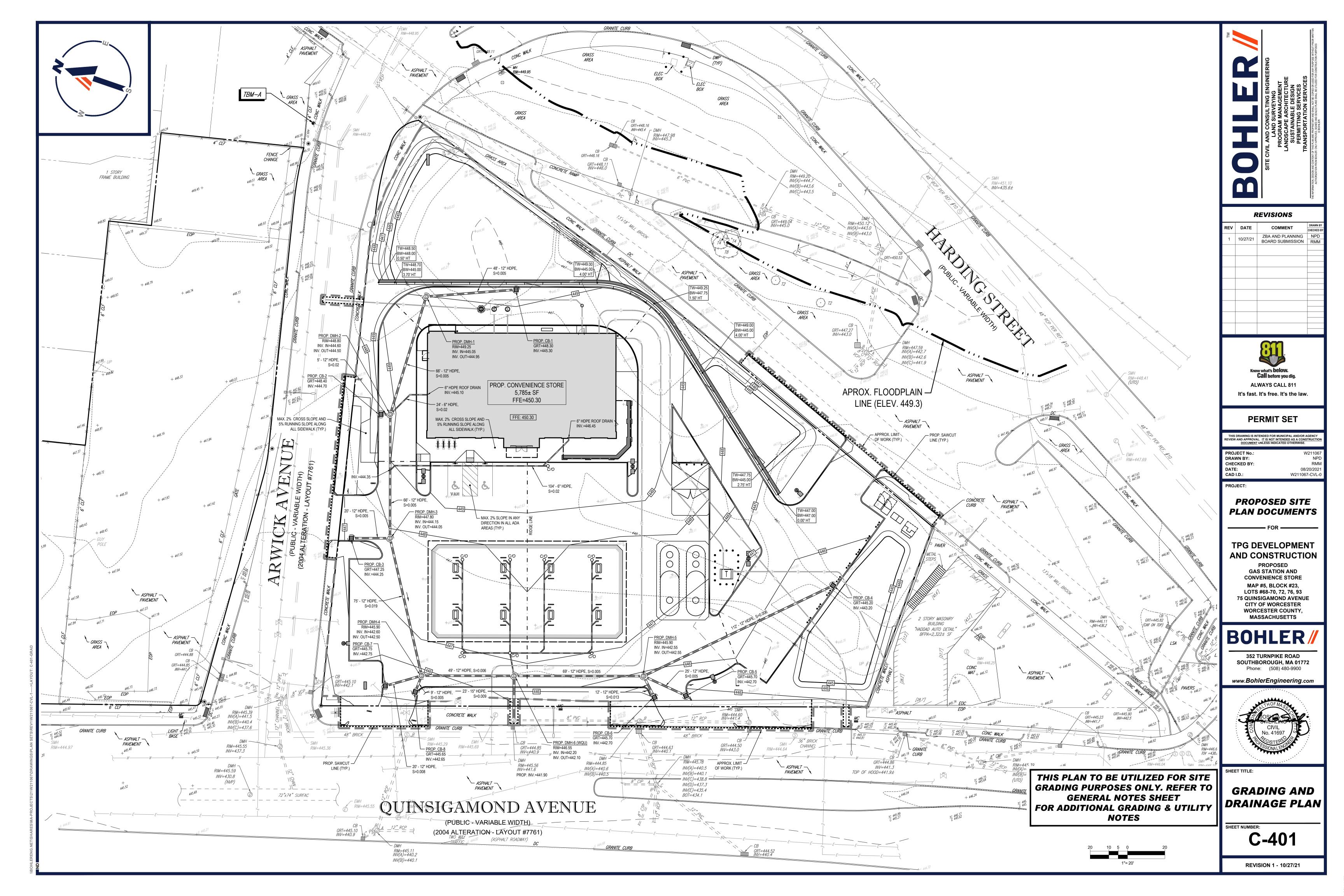


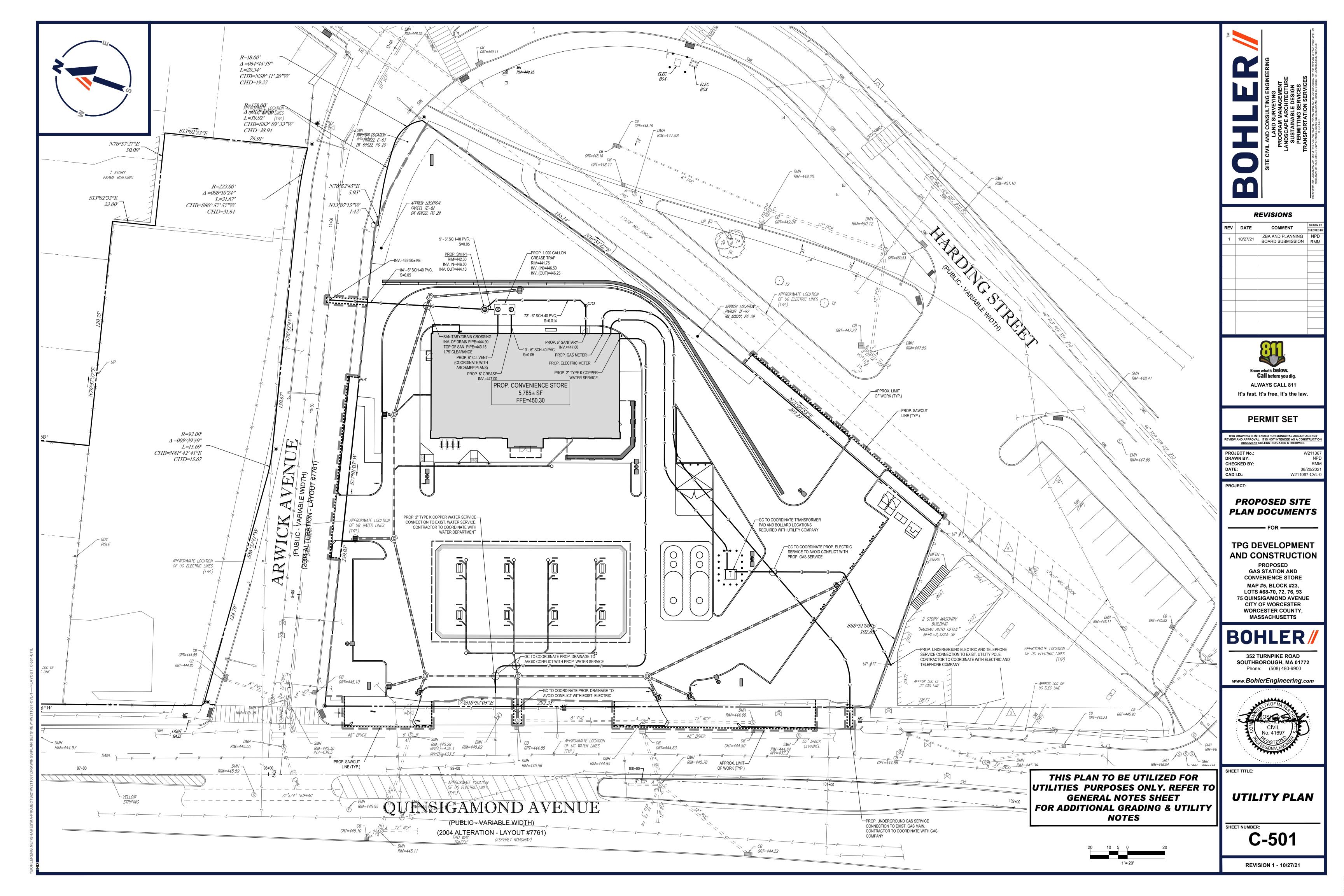
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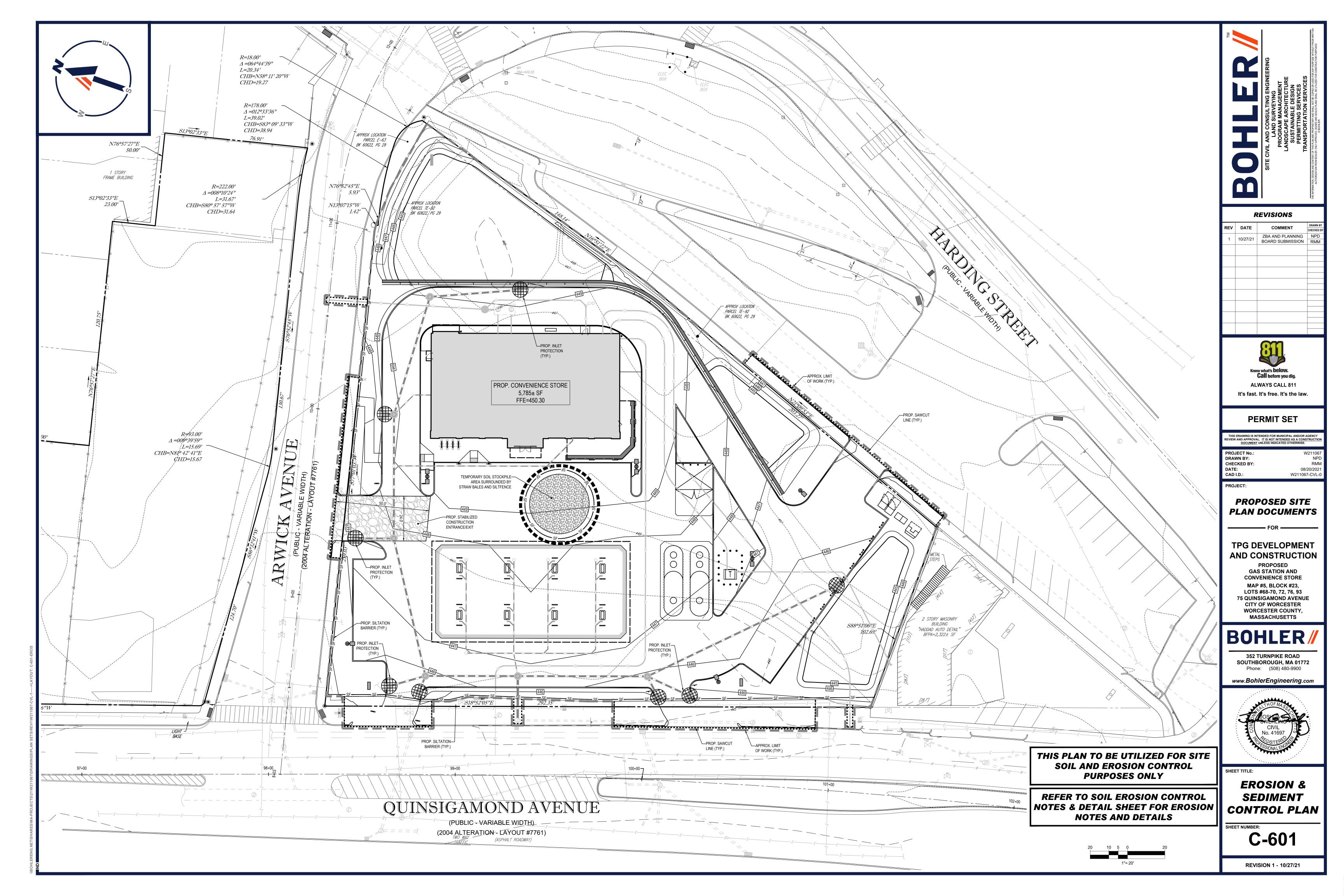
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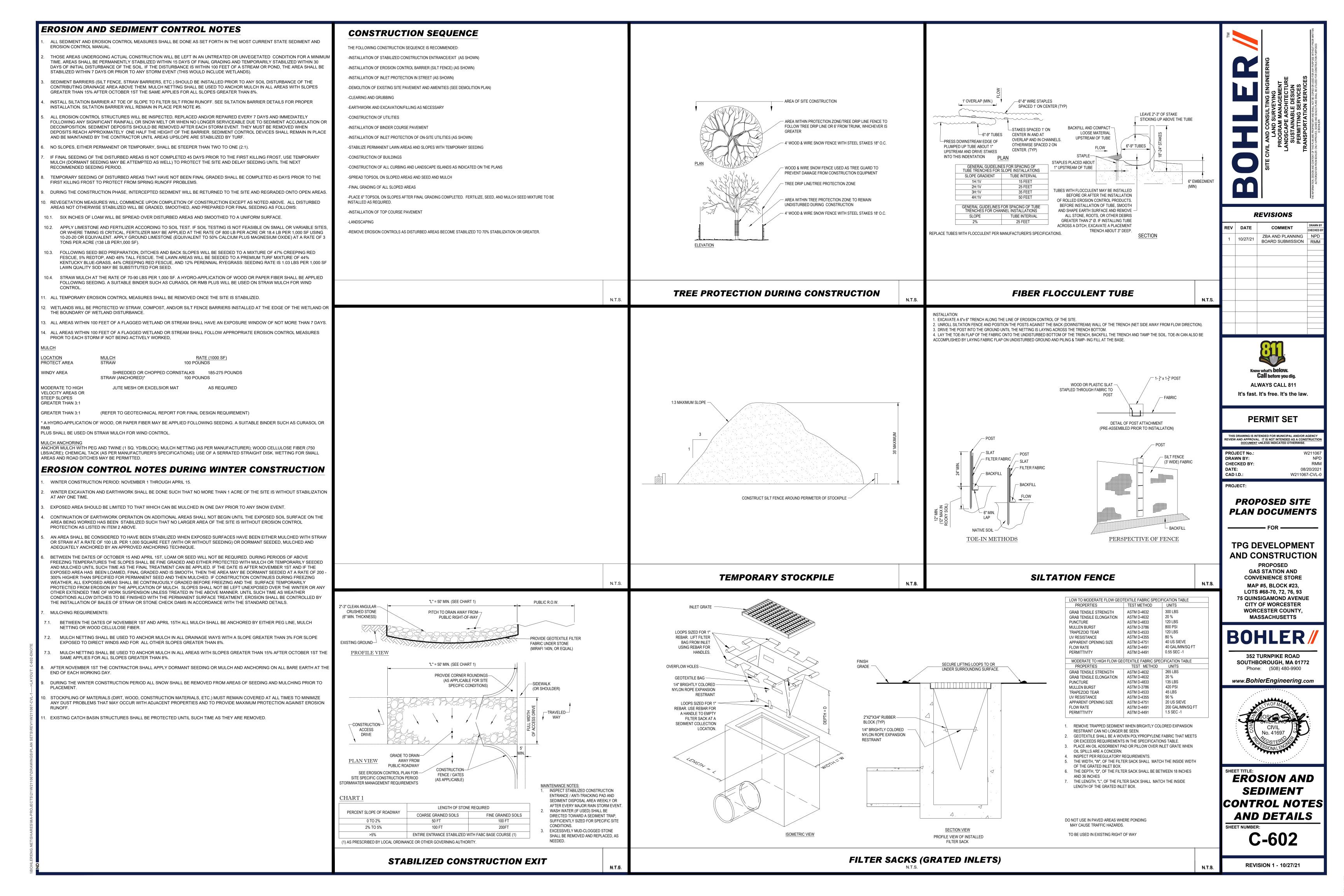


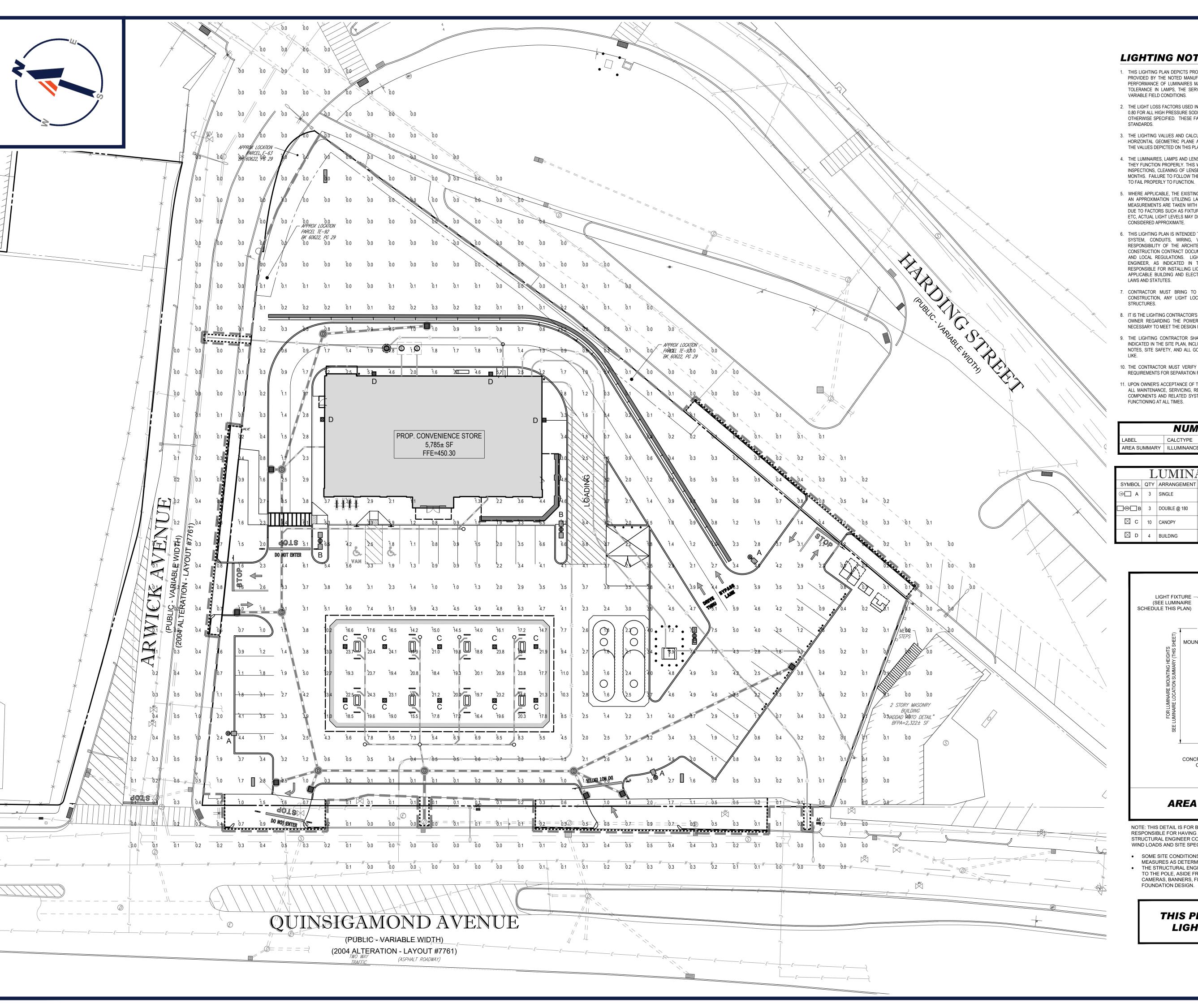










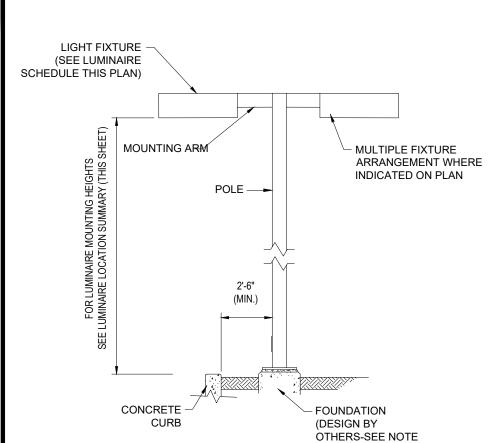


LIGHTING NOTES

- 1. THIS LIGHTING PLAN DEPICTS PROPOSED SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURER(S). ACTUAL SUSTAINED SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED
- 2. THE LIGHT LOSS FACTORS USED IN THESE LIGHTING CALCULATIONS ARE 0.90 FOR ALL LED LUMINAIRES, 0.80 FOR ALL HIGH PRESSURE SODIUM LUMINAIRES OR 0.72 FOR ALL METAL HALIDE LUMINAIRES UNLESS OTHERWISE SPECIFIED. THESE FACTORS ARE INDICATIVE OF TYPICAL LIGHTING INDUSTRY MODELING
- 3. THE LIGHTING VALUES AND CALCULATION POINTS DEPICTED ON THIS PLAN ARE ALL ANALYZED ON A HORIZONTAL GEOMETRIC PLANE AT ELEVATION ZERO (GROUND LEVEL) UNLESS OTHERWISE NOTED. THE VALUES DEPICTED ON THIS PLAN ARE IN FOOTCANDLES.
- 4. THE LUMINAIRES, LAMPS AND LENSES MUST BE REGULARLY INSPECTED/MAINTAINED TO ENSURE THAT THEY FUNCTION PROPERLY. THIS WORK SHOULD INCLUDE, BUT NOT BE LIMITED TO, FREQUENT VISUAL INSPECTIONS, CLEANING OF LENSES, AND RELAMPING (IF NECESSARY) AT LEAST ONCE EVERY SIX (6) MONTHS. FAILURE TO FOLLOW THE ABOVE STEPS COULD CAUSE THE LUMINAIRES, LAMPS AND LENSES
- 5. WHERE APPLICABLE, THE EXISTING CONDITION LIGHT LEVELS ILLUSTRATED ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES, UNLESS ACTUAL FIELD MEASUREMENTS ARE TAKEN WITH A LIGHT METER AND ARE, CONSEQUENTLY, APPROXIMATIONS ONLY. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC, ACTUAL LIGHT LEVELS MAY DIFFER. EXISTING LIGHT LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED APPROXIMATE.
- 6. THIS LIGHTING PLAN IS INTENDED TO SHOW THE LOCATIONS AND TYPE OF LUMINAIRES, ONLY. POWER SYSTEM, CONDUITS, WIRING, VOLTAGES AND OTHER ELECTRICAL COMPONENTS ARE THE RESPONSIBILITY OF THE ARCHITECT, MEP AND/OR LIGHTING CONTRACTOR, AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS. THESE ITEMS MUST BE INSTALLED AS REQUIRED BY STATE AND LOCAL REGULATIONS. LIGHT POLE BASES ARE THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER, AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS, CONTRACTOR IS RESPONSIBLE FOR INSTALLING LIGHTING FIXTURES AND APPURTENANCES IN ACCORDANCE WITH ALL APPLICABLE BUILDING AND ELECTRICAL CODES AND ALL OTHER APPLICABLE RULES, REGULATIONS,
- 7. CONTRACTOR MUST BRING TO DESIGNER'S ATTENTION, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ANY LIGHT LOCATIONS THAT CONFLICT WITH DRAINAGE, UTILITIES, OR OTHER
- 8. IT IS THE LIGHTING CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE PROJECT ARCHITECT OR OWNER REGARDING THE POWER SOURCE(S) FROM WITHIN THE BUILDING, AND TIMING DEVICES NECESSARY TO MEET THE DESIGN INTENT.
- 9. THE LIGHTING CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CONTRACTOR REQUIREMENTS INDICATED IN THE SITE PLAN, INCLUDING BUT NOT LIMITED TO, GENERAL NOTES, GRADING AND UTILITY NOTES, SITE SAFETY, AND ALL GOVERNMENTAL RULES, LAWS, ORDINANCES, REGULATIONS AND THE
- 10. THE CONTRACTOR MUST VERIFY THAT INSTALLATION OF LIGHTING FIXTURES COMPLIES WITH THE REQUIREMENTS FOR SEPARATION FROM OVERHEAD ELECTRICAL WIRES PER STATE REGULATIONS.
- 11. UPON OWNER'S ACCEPTANCE OF THE COMPLETED PROJECT, THE OWNER SHALL BE RESPONSIBLE FOR ALL MAINTENANCE, SERVICING, REPAIR AND INSPECTION OF THE LIGHTING SYSTEM AND ALL OF ITS COMPONENTS AND RELATED SYSTEMS, TO ENSURE ADEQUATE LIGHTING LEVELS ARE PRESENT AND

		NUM	ERIC	SUN	MAR	?Y		
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	LUMINAIRE SCHEDULE							
	SYMBOL	QTY	ARRANGEMENT	LUMENS	LLF	DESCRIPTION		
	⊕ □ A	3	SINGLE	11648	0.90	CREE INC. LED AREA LIGHT TYPE III MOUNTED @ 20' OSQ-A-NM-3ME-B-57K-UL-XX		R
\	□⊕□В	3	DOUBLE @ 180	11648	0.90	CREE INC. LED AREA LIGHT TYPE III MOUNTED @ 20' OSQ-A-NM-3ME-B-57K-UL-XX		
	⊠ c	10	CANOPY	13251	0.90	CREE INC LED CANOPY LIGHT MOUNTED @ 15' CAN-304-RS-06-E-UL-XX-700-57K		1
	⊠ D	4	BUILDING	4270	0.90	CREE INC LED BUILDING LIGHT MOUNTED @ 12' XSPW-B-3ME-4L-40K-UL		1



AREA LIGHT DETAIL

NOTE: THIS DETAIL IS FOR BID AND BUDGETARY PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING A FOUNDATION DESIGN PREPARED BY A QUALIFIED STRUCTURAL ENGINEER CONSIDERING LIGHTING MANUFACTURER REQUIREMENTS, LOCAL WIND LOADS AND SITE SPECIFIC SOIL PARAMETERS.

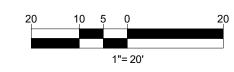
SOME SITE CONDITIONS AND/OR LOCATIONS MAY REQUIRE VIBRATION DAMPENING MEASURES AS DETERMINED BY A STRUCTURAL ENGINEER.

BELOW)

N.T.S.

THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF THE INTENT TO MOUNT ANYTHING TO THE POLE, ASIDE FROM THE LIGHT FIXTURES, INCLUDING BUT NOT LIMITED TO CAMERAS, BANNERS, FLAGS, SIGNAGE, ETC. AS IT WILL IMPACT THE POLE AND FOUNDATION DESIGN.

THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY



REVISIONS

KEV	DATE	COMINENT	CHECKED BY
1	10/27/21	ZBA AND PLANNING	NPD
	10/2//21	BOARD SUBMISSION	RMM
	I	I	1



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PERMIT SET

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PROJECT:

PROPOSED SITE **PLAN DOCUMENTS**

TPG DEVELOPMENT **AND CONSTRUCTION** PROPOSED **GAS STATION AND**

CONVENIENCE STORE MAP #5, BLOCK #23, LOTS #68-70, 72, 76, 93 **75 QUINSIGAMOND AVENUE** CITY OF WORCESTER **WORCESTER COUNTY,**

BOHLER

MASSACHUSETTS

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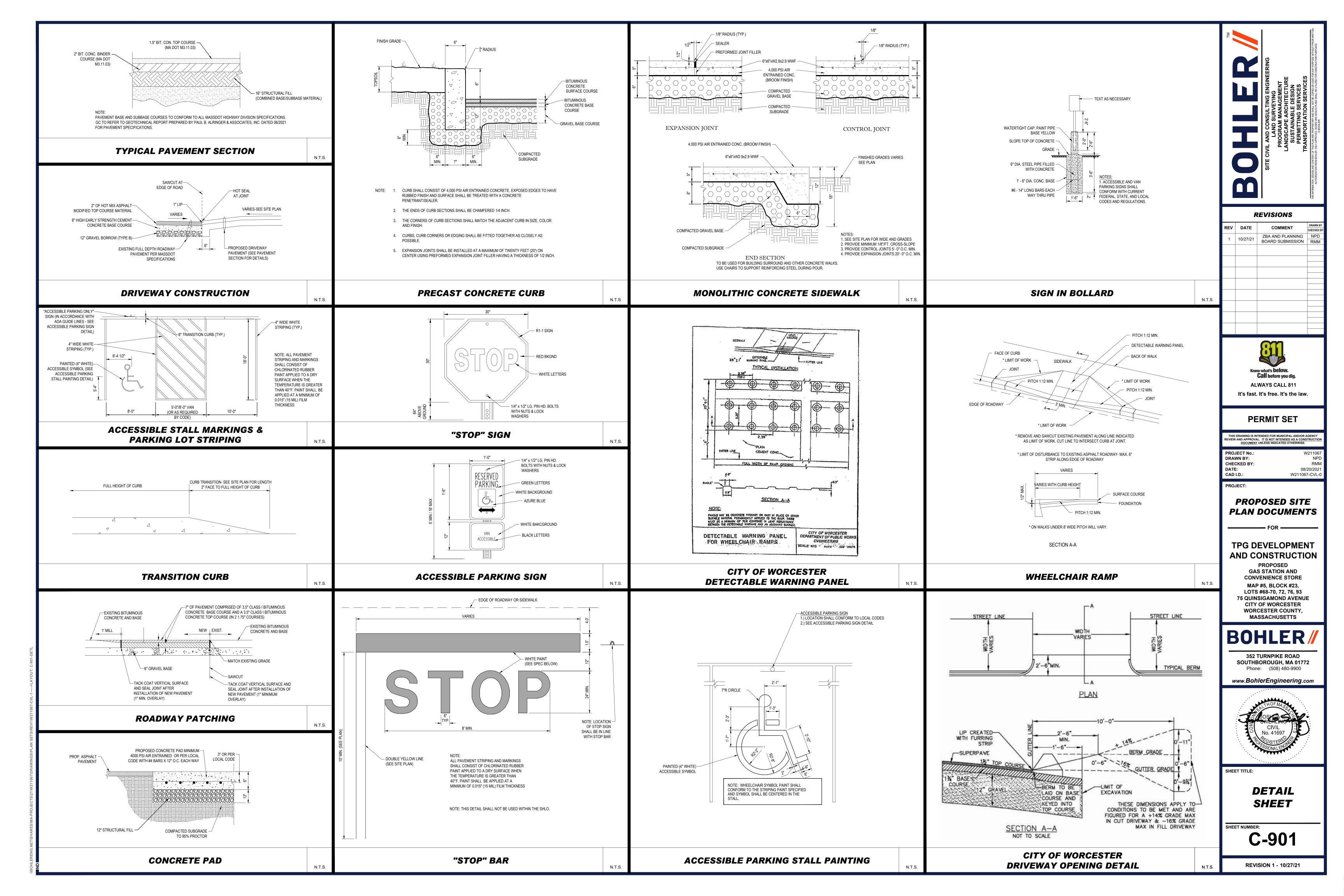


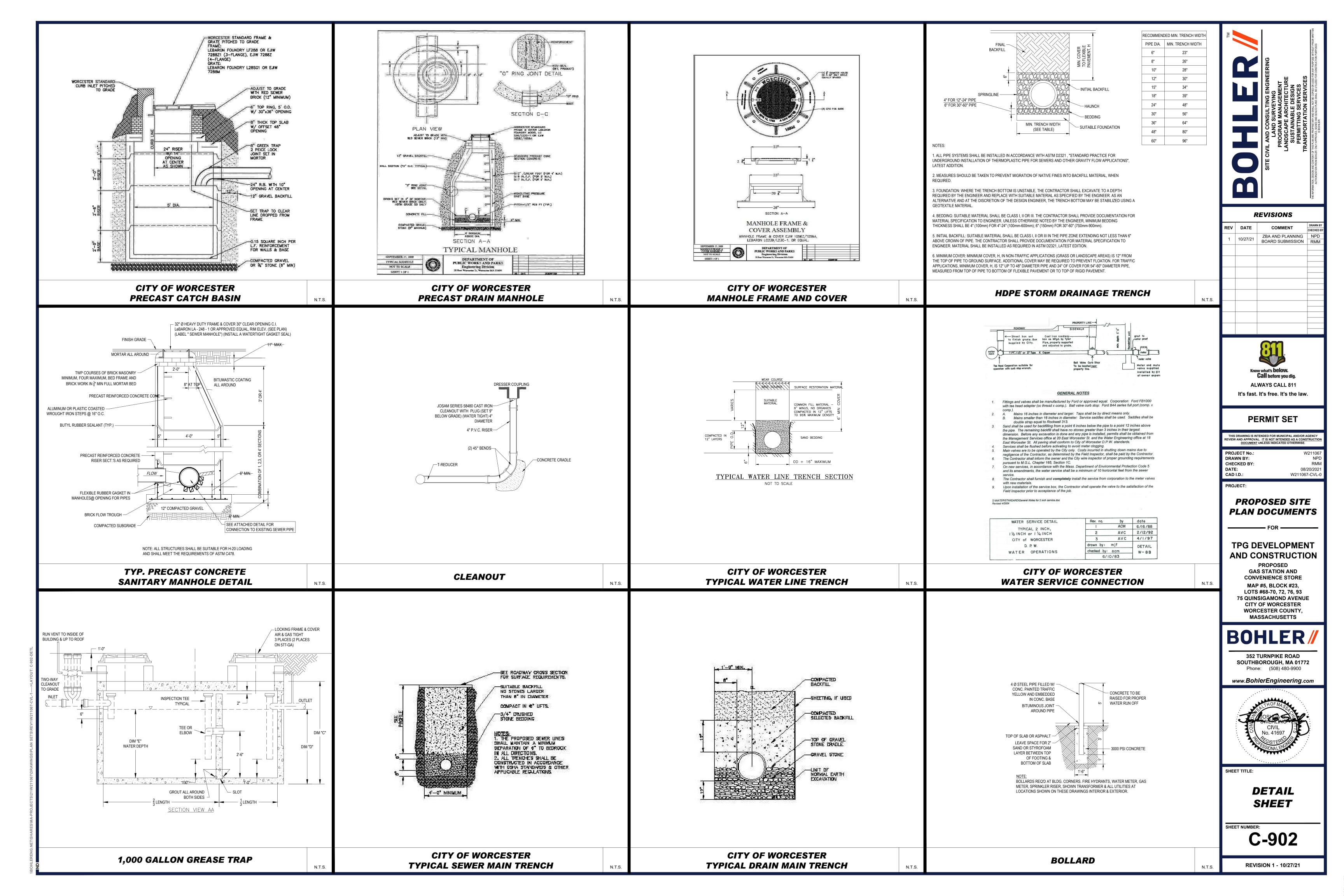
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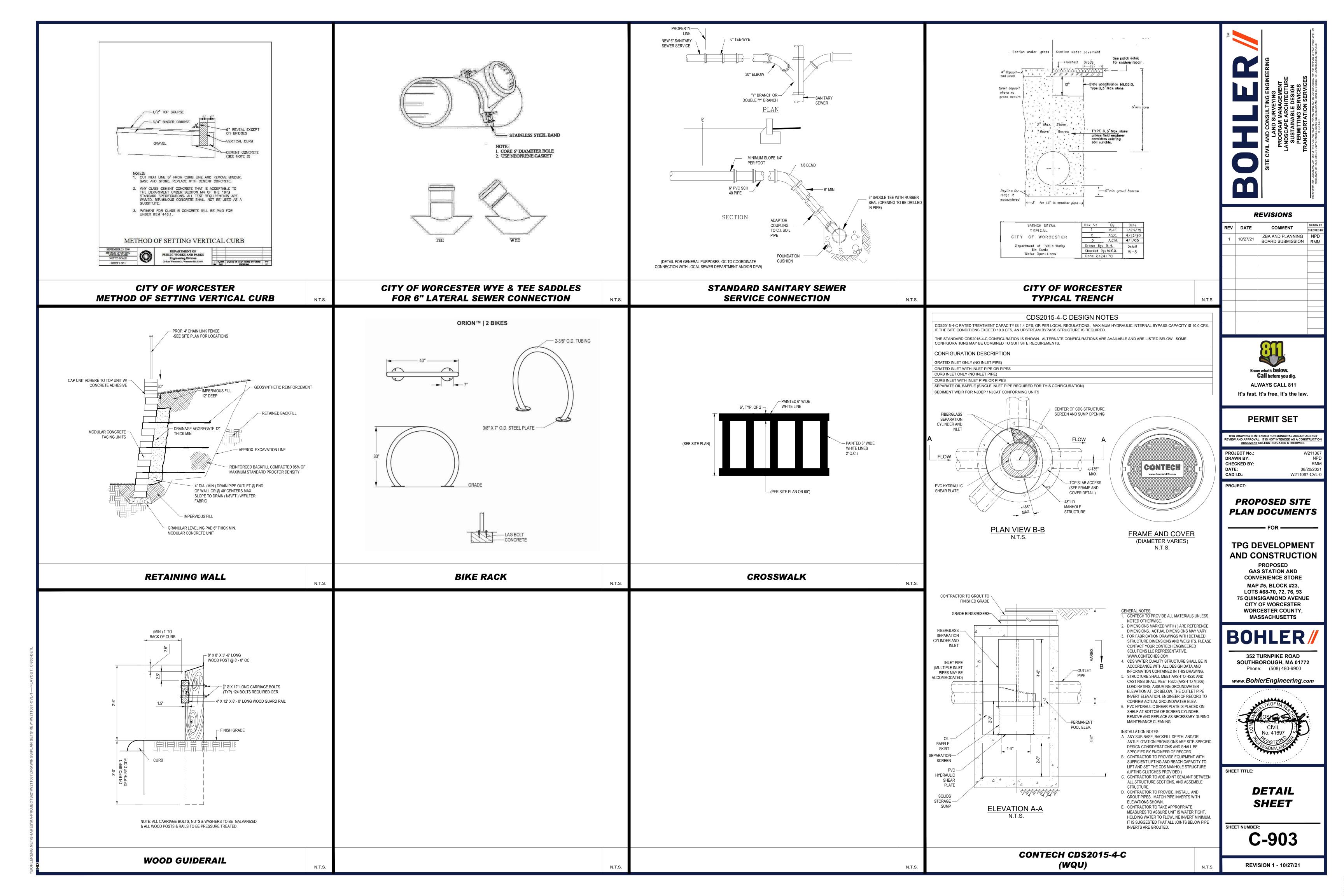
LIGHTING PLAN

C-703

REVISION 1 - 10/27/21







LANDSCAPE PLANS NEON MARKETPLACE

LOCATED AT:

75 Quinsigamond Avenue Map 5, Block 23, Lots 68-70, 72, 76, 93 Worcester, Massachusetts

PREPARED FOR THE:

TPG Development & Construction 1140 Reservoir Avenue Cranston, Rhode Island 02920

SHEET INDEX

		ISSUED FOR	
NUMBER	TITLE	PERMITTING	REVISIONS
	COVER SHEET		
1	PLANTING PLAN	08-19-2021	10-28-2021
2	PLANTING NOTES & DETAILS	08-19-2021	10-28-2021

PREPARED BY:

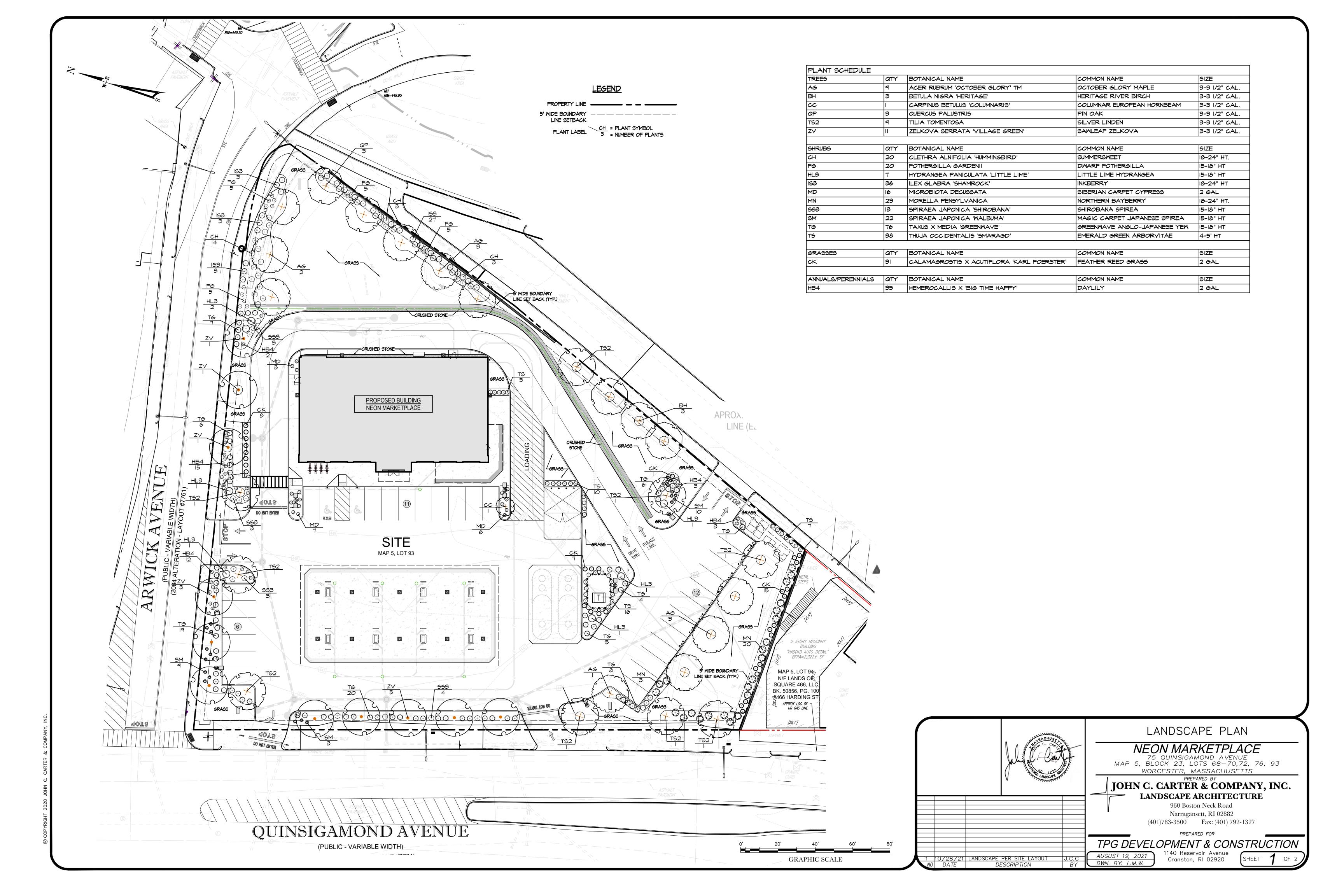
JOHN C. CARTER & CO., INC.

960 BOSTON NECK RD., NARRAGANSETT, RI (401) 783 - 3500

LANDSCAPE ARCHITECTURE
DESIGN & BUILD

ENGINEER Bohler

Site & Consultant Engineering 352 Turnpike Road Southborough, MA 01772



- THE EXISTING SITE INFORMATION WAS TAKEN FROM A PLAN PREPARED BY BOHLER, TITLED 'W2||067-CVL-0 202|-08-03', DATED AUGUST 3, 202|
- 2. ANY PROPERTY LINES DEPICTED ON THIS PLAN ARE PICTORIAL ONLY. THIS PLAN IS TO BE USED FOR THE SELECTION, LOCATION AND INSTALLATION OF LANDSCAPE MATERIALS ONLY AND IS NOT TO BE USED FOR ANY OTHER PURPOSE. ALL FOUNDATIONS, RETAINING WALLS AND DRAINAGE COMPONENTS SHALL BE STAKED OUT BY THE ENGINEER OR SURVEYOR.
- 3. WRITTEN DIMENSIONS AND SPECIFICATIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- 4. THE LOCATION OF UTILITIES IF SHOWN ON THIS PLAN ARE APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL UTILITIES BEFORE ANY EXCAVATION. DIG-SAFE SHALL BE CONTACTED AT LEAST 72 HOURS BEFORE EXCAVATION. DIG-SAFE CAN BE REACHED AT 1-888-344-7233.

PLANTING BED PREPARATION:

ALL PLANTING BEDS ARE TO BE TREATED AS FOLLOWS:

- ALL PLANTING BEDS ARE TO BE EXCAVATED TO A DEPTH OF 8" BELOW FINISHED GRADE.
- THE BOTTOM OF THE PLANTING BEDS ARE TO BE SCARIFIED TO ENCOURAGE DRAINAGE AND PREVENT COMPACTION.
- 3. ALL PLANTING BEDS ARE TO BE BACKFILLED WITH 8" OF LOOSE, FRIABLE, ORGANIC LOAM OR COMPOST.

- PROVIDE QUALITY PLANTS IN THE GENUS, SPECIES AND VARIETY INDICATED IN THE PLANT SCHEDULE, COMPLYING WITH APPLICABLE REQUIREMENTS OF "ANSI Z60.1 AMERICAN STANDARD FOR NURSERY
- 2. PROVIDE PLANTS IN THE SIZE AND NUMBER INDICATED IN THE PLANT SCHEDULE. PLANTS SHALL BE GROWN IN NURSERIES LOCATED IN THE NORTHEASTERN U.S.
- 3. DELIVER FRESH DUG TREES WHICH ARE BALLED AND BURLAPPED, AND SHRUBS WHICH ARE BALLED AND BURLAPPED OR IN NURSERY CONTAINERS. ALL PLANTS ARE TO BE HEALTHY, VIGOROUS AND FREE OF INSECTS AND DISEASE.
- 4. PLANTS ARE TO BE INSTALLED AS SPECIFIED IN THE PLANTING DETAILS WITH ADEQUATE WATER PROVIDED DURING PLANTING TO ALLOW COMPACTION OF THE PLANTING SOIL TO PREVENT ANY AIR POCKETS OR SETTLEMENT AFTER PLANTING.
- 5. ALL PLANTING BEDS ARE TO BE COVERED WITH 2" SHREDDED PINE BARK MULCH.
- 6. AFTER THE TREES AND SHRUBS ARE PLANTED, THE DISTURBED AREAS BETWEEN THE PLANTING BEDS SHALL BE LOAMED AND SEEDED WITH A SEED MIX AS SPECIFIED IN THE LOAMING AND SEEDING NOTES.
- 7. ALL DECIDUOUS AND EVERGREEN TREES OVER 5' TALL ARE TO BE STAKED AS SHOWN IN THE PLANTING DETAILS. TREES ARE TO REMAIN PLUMB AND SHALL BE ADJUSTED AS NEEDED. ALL STAKES AND ARBOR TIES ARE TO BE MAINTAINED AND ADJUSTED TO PREVENT GIRDLING OF THE TRUNK AND REMOVED WHEN NO LONGER NEEDED.
- 8. PLANT SUBSTITUTIONS SHALL BE ALLOWED BASED ON AVAILABILITY AND SITE CONDITIONS. SUBSTITUTIONS MAY BE MADE ONLY WITH <u>DIRECT</u> APPROVAL FROM THE LANDSCAPE ARCHITECT OR OWNER.

- AFTER THE PLANTING BEDS ARE PREPARED, THE PLANTS SHALL BE PLACED ON THE GROUND WHERE
- 2. THE PLANTS SHALL BE ORIENTED IN SUCH A MANNER TO RESULT IN THE MOST UNIFORM AND VIGOROUS SIDE OF THE PLANT FACING THE FRONT.
- 3. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED AND SHALL INSPECT AND APPROVE THE LOCATIONS BEFORE THEY ARE PLANTED.

MAINTENANCE & WARRANTY:

- REQUIRED LANDSCAPING SHALL BE MAINTAINED IN A HEALTHY GROWING CONDITION, FREE OF REFUSE AND DEBRIS, AND ANY PLANTINGS THAT DO NOT SURVIVE SHALL BE REPLACED IN KIND BY THE APPLICANT OR PROPERTY OWNER WITHIN A REASONABLE PERIOD OF TIME.
- 2. THE CONTRACTOR SHALL WARRANTY ALL PLANTS FOR A PERIOD OF ONE YEAR AFTER THE DATE OF SUBSTANTIAL COMPLETION AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH.
- 3. AFTER PLANTING IS COMPLETED, THE OWNER SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE WATER TO ENSURE HEALTHY AND VIGOROUS GROWTH.
- 4. ANY PLANT WHICH IS NOT HEALTHY AND GROWING VIGOROUSLY AFTER ONE YEAR SHALL BE REPLACED
- 5. IF NECESSARY, THE CONTRACTOR SHALL OVERSEED OR SOD ANY AREAS WHICH ARE NOT SUBSTANTIALLY COVERED BY ADEQUATE GRASS GROWTH FOR ONE YEAR AFTER THE INITIAL SEED

LOAMING & SEEDING:

APPLICATION.

AREAS LABELED AS 'GRASS' ARE TO BE SEEDED OR SODDED AS DIRECTED BY THE OWNER.

BY THE CONTRACTOR IN CONFORMANCE WITH THE PLANTING SPECIFICATIONS.

- 2. AFTER ROUGH GRADING IS COMPLETED, ALL DISTURBED AREAS WHICH ARE LABELED AS "GRASS", ARE TO BE BROUGHT TO AN ELEVATION OF 6" BELOW THE PROPOSED FINISHED GRADE. IF COMPACTED, THE SUBGRADE IS TO BE SCARIFIED TO A DEPTH OF 12" WITH THE TEETH OF A BACKHOE TO RESULT IN AN UNCOMPACTED SUBSOIL. THEN 6" OF GOOD QUALITY TOPSOIL IS TO BE APPLIED AND RAKED TO FINISHED GRADE.
- 3. THE TOPSOIL IS TO BE GOOD QUALITY LOAM, FERTILE AND FREE OF WEEDS, STICKS AND STONES OVER 3/4" IN SIZE AND OTHERWISE COMPLYING WITH SECTION M.18.01 OF THE RI DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- 4. LIME IS TO BE APPLIED AT A RATE OF ONE TON PER ACRE AND UNIFORMLY INCORPORATED INTO THE TOP 1-2" OF TOPSOIL.
- 5. AFTER THE SEED BED IS PREPARED, THE AREA IS TO BE HYDRO-SEEDED. THE HYDRO-SEED SHALL BE APPLIED EVENLY OVER THE SURFACE WITH A BONDED 100% WOOD FIBER MATRIX USING ACCEPTED HORTICULTURAL PRACTICES. THE SLURRY SHALL INCLUDE WATER, SEED, WOOD FIBER AND A HIGH PHOSPHORUS STARTER FERTILIZER.
- 6. RATHER THAN HYDRO-SEEDING AS DESCRIBED ABOVE, WITH PERMISSION FROM THE OWNER, THE CONTRACTOR MAY BROADCAST SEED. PRIOR TO SEEDING, FERTILIZE WITH A HIGH PHOSPHORUS STARTER FERTILIZER APPLIED AT THE MANUFACTURER'S RECOMMENDED RATES. SEED SHALL BE BROADCAST EVENLY OVER THE PREPARED SURFACE AND WORKED INTO THE TOP I" OF SOIL.

SEED MIXES

- PROVIDE QUALITY SEED DERIVED FROM THE VARIETY INDICATED UNDER 'SEEDING'
- ALL SEED IS TO BE VIABLE, HEALTHY AND FREE OF INSECTS AND
- SEED IS TO BE INSTALLED AS SPECIFIED IN THE SEEDING NOTES WITH ADEQUATE WATER PROVIDED TO ESTABLISH A HEALTHY GRASS CATCH.
- RECOMMENDED SEEDING DATES ARE APRIL I TO JUNE 30 AND AUGUST 15 TO NOVEMBER 15. LATE FALL AND WINTER DORMANT SEEDING REQUIRE AN INCREASE IN THE SEEDING RATE.
- SEED SUBSTITUTIONS SHALL BE ALLOWED BASED ON AVAILABILITY ONLY WITH <u>DIRECT</u> APPROVAL FROM THE LANDSCAPE ARCHITECT OR OWNER.

SEED MIX SHALL BE AS FOLLOWS:

PERENNIAL RYEGRASS BLEND CONSISTING OF APPLAUD II, SOPRANO & IG SQUARED

50% DARK & DURABLE

- 27% FURY TALL FESCUE 27% CORONADO TALL FESCUE
- 26% ENDEAVOR TALL FESCUE 10% IQ PERENNIAL RYEGRASS 10% BROOKLAWN KENTUCKY BLUEGRASS

IF THE AREAS THAT ARE LABELED 'GRASS' ARE TO BE SODDED:

- I. SOD SHALL BE LIVE, FRESH, AND OF SUITABLE CHARACTER FOR THE PURPOSE INTENDED AND FOR THE SOIL ON WHICH IT WILL BE PLACED. SODS SHALL BE AT LEAST 2-SQUARE FEET IN AREA AND SHALL BE THICK ENOUGH TO CONTAIN ALL NATURAL ROOTS WITHOUT MUTILATION. IN NO CASE WILL SODS BE PERMITTED TO BE UNDER $^3\!4$ " THICK OR OVER I" THICK, UNLESS EXPRESS WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT IS PROCURED. SOD STORED LONGER THAN 36 HOURS WILL NOT BE ALLOWED UNDER ANY CIRCUMSTANCES.
- 2. RECOMMENDED SODDING DATES ARE APRIL I TO JUNE 30 AND AUGUST 15 TO NOVEMBER 15.
- 3. SOD INSTALLATION: THE SOD BED SHALL BE MOIST AND BE WATERED CONTINUOUSLY DURING THE SODDING OPERATION. SOD SHALL BE LAID IN THE LONGEST DIMENSION PARALLEL TO THE CONTOURS. THE FIRST ROW OF SOD SHALL BE LAID A STRAIGHT LINE WITH THE SUBSEQUENT ROMS PLACED PARALLEL TO AND TIGHTLY AGAINST EACH OTHER. LATERAL/VERTICAL JOINTS SHALL BE STAGGERED BY A MINIMUM OF 12" TO PROMOTE UNIFORM GROWTH AND STRENGTH. SOD SHALL NOT BE STRETCHED OR OVERLAPPED AND ALL JOINTS SHALL BE BUTTED TIGHT.
- 4. AFTER THE SOD IS PLACED, IT SHALL BE PRESSED FIRMLY INTO CONTACT WITH THE SOD BED BY TAMPING OR HAND ROLLING. THIS PROCEDURE SHALL NOT DEFORM THE SOD. THE CONTRACTOR SHALL CUT THE SOD TO LINE AS INDICATED ON THE PLAN OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.

CITY OF MORCESTER

ZONING ORDINANCE - AS AMENDED THROUGH APRIL 27, 2021

ARTICLE IV - USE REGULATIONS

SECTION 7 - OFF STREET PARKING & LOADING TABLE 4.4 OFF STREET ACCESSORY PARKING REQUIREMENTS

NOTE 5: a) PARKING LOCATION AND LAYOUT REQUIREMENTS FOR ALL ZONING DISTRICTS

ii. WITH THE EXCEPTION OF RESIDENTIAL DRIVEWAYS AND COMMON DRIVEWAYS, PARKING FACILITIES SHALL BE SET BACK A MINIMUM OF FIVE (5) FEET FROM ALL BOUNDARY LINES TO PROVIDE A BUFFER AREA FROM ABUTTING LOTS AND SHALL ALSO COMPLY WITH THE LOCATION REQUIREMENTS SET FORTH BELOW IN NOTES 5(b)(i) and 5(c)(i). THE BUFFER AREAS SHALL CONSIST OF PERMEABLE SURFACES AND SHALL BE APPROPRIATELY LANDSCAPED IN ACCORDANCE WITH ARTICLE V, SECTION-5(C).

A BUFFER AREA A MINIMUM OF FIVE (5) FEET IS PROVIDED FROM ALL BOUNDARY LINES AND IS PROPOSED TO CONSIST OF PERMEABLE SURFACES THAT ARE APPROPRIATELY LANDSCAPED IN ACCORDANCE WITH ARTICLE V, SECTION-5(C).

NOTE 6. INTERIOR LANDSCAPING

PARKING LOTS WITH MORE THAN SIXTEEN (16) PARKING SPACES SHALL HAVE LANDSCAPING IN THE INTERIOR OF THE PARKING LOT IN ADDITION TO LANDSCAPING ALONG THE EDGES OF THE LOT. NO INTERIOR LANDSCAPING IS REQUIRED, HOMEVER, FOR PARKING LOTS WHERE ALL SPACES ABUT A LANDSCAPED SETBACK AREA AS DESCRIBED IN NOTE 5, ABOVE, AND THE PARKING LOT IS IN COMPLIANCE WITH ARTICLE V, SECTION-5(C) OF THIS ORDINANCE.

THERE ARE A TOTAL OF THIRTY (30) SPACES PROPOSED, NINETEEN (19) OF WHICH ABUT A LANDSCAPED SETBACK AREA AS DESCRIBED IN NOTE 5 AND PROPOSED LANDSCAPING IS IN COMPLIANCE WITH ARTICLE V. SECTION 5-(C) OF THIS ORDINANCE. THE ELEVEN (II) REMAINING SPACES HAVE LANDSCAPING ISLANDS PROPOSED LOCATED AT EACH END OF THE PARKING.

AT LEAST ONE (I) TREE SHALL BE PLANTED WITHIN THE PARKING LOT INTERIOR FOR EVERY TEN (IO) PROPOSED AND EXISTING SPACES. SUCH INTERIOR TREES SHALL BE IN ADDITION TO TREES REQUIRED ALONG THE EDGES OF THE LOT. INTERIOR TREES SHALL BE PLANTED IN PLANTING BEDS NO SMALLER THAN THAN FIVE FEET BY FIVE FEET (5'X5').

ELEVEN INTERIOR PARKING SPACES EXIST. II / IO = I.I INTERIOR TREE IS REQUIRED.

TREES PROVIDED = 1

THE DIMENSIONS OF THE PLANTING ISLAND IN WHICH THE TREE IS TO BE PLANTED WILL BE NO SMALLER THAN FIVE FEET BY FIVE FEET (5' X 5').

THE TREE HAS BEEN LOCATED IN SUCH A MANNER AS TO PROVIDE SHADE OVER THE GREATEST NUMBER OF PARKING SPACES PRACTICABLE.

ARTICLE V - SITE PLAN REVIEW

SECTION 5 - APPLICATION APPROVAL PROCESS

C. LANDSCAPING DESIGN STANDARDS

I. LANDSCAPE SCREENING

a. LANDSCAPE SCREENING SHALL BE REQUIRED ALONG THE SIDEWALK EDGE AND SIDE LOT LINES WHERE THE PARKING, WORK OR SERVICE AREA OF A PROPOSED PROJECT ABUTS A STREET, PUBLIC PARK OR RESIDENTIAL PROPERTY.

LANDSCAPE SCREENING IS PROVIDED ALONG THE SIDEWALK EDGE AND SIDE LOT LINE.

b. LANDSCAPE SCREENING SHALL CONSIST OF PLANTING AREA AT LEAST FIVE (5) FEET WIDE LOCATED ALONG THE SIDEWALK EDGE AND/OR SIDE LOT LINES OF A PROPOSE USE. LANDSCAPE SCREENING AREAS SHALL BE SEPARATED FROM PARKING AREA BY A SIX-INCH HIGH CURB. TREES SHALL BE THE MAJOR ELEMENTS OF LANDSCAPE SCREENING. A COMBINATION OF PLANT MATERIALS, TREES AND SHRUBS SHALL BE INCLUDED IN LANDSCAPE SCREENING AREAS. FENCING SHALL BE USED, IN COMBINATION WITH TREES AND SHRUBS WHEN APPROPRIATE.

A LANDSCAPE SCREEN CONSISTING OF PLANTING AREAS IN EXCESS OF FIVE (5) FEET WIDE IS PROPOSED ALONG THE SIDEWALK EDGE AND SIDE LOT LINE. THE LANDSCAPE SCREENING IS SEPARATED FROM THE PARKING AREA BY A SIX-INCH HIGH CURB. A COMBINATION OF PLANT MATERIALS, TREES, SHRUBS AND PERENNIALS ARE PROPOSED WITHIN THE LANDSCAPE SCREEN, WITH TREES AS A MAJOR ELEMENT.

i) TREES

GROUND.

TREES SHALL BE PLANTED EVERY TWENTY (20) TO TWENTY-FIVE (25) FEET ON CENTER. TREES TO BE PLANTED SHALL HAVE TRUNKS AT LEAST THREE (3) TO THREE AND ONE-HALF (3-1/2) INCHES IN DIAMETER WHEN MEASURED SIX (6) INCHES ABOVE THE

TREES HAVE BEEN PROPOSED TO BE PLACED APPROXIMATELY 25' ON CENTER AND, WHEN PLANTED ARE TO BE AT LEAST THREE AND ONE HALF (3-3.5) INCHES IN DIAMETER WHEN MEASURED SIX INCHES ABOVE THE GROUND.

ii) SHRUBS

SHRUBS SHALL BE PLANTED ALONG WITH TREES IN A LANDSCAPE SCREENING AREA. SHRUBS MAY BE DECIDUOUS OR EVERGREEN, OR A MIXTURE OF BOTH TYPES, AND SHALL BE DENSELY PLANTED TO PROVIDE A MATURE APPEARANCE WITHIN THREE (3) YEARS. FOR LANDSCAPE SCREENING AREAS ALONG A SIDEMALK EDGE SHRUBS SHALL BE NO TALLER THAN FOUR (4) FEET HIGH.

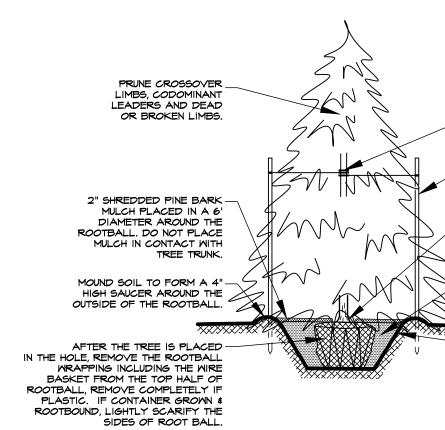
A MIXTURE OF DECIDUOUS AND EVERGREEN SHRUBS HAVE BEEN PROPOSED SO THAT THEY WILL PROVIDE A DENSE LANDSCAPE SCREEN WITH A MATURE APPEARANCE WITHIN THREE (3) YEARS. SHRUBS ALONG THE SIDEWALK EDGE SHALL BE MAINTAINED NO TALLER THAN FOUR (4) FEET HIGH.

FOR LANDSCAPE SCREENING AREAS WHICH ABUT ADJACENT RESIDENTIAL USES, SHRUBS MAY BE UP TO SEVEN (7) FEET IN HEIGHT TO PROVIDE A MORE EFFECTIVE BUFFER BETWEEN LAND USES.

THERE ARE NO RESIDENTIAL USES THAT ABUT THIS PROPERTY.

IV) MAINTENANCE OF LANDSCAPED AREAS

SEE MAINTENANCE AND WARRANTY NOTES THIS SHEET.



ALL EVERGREEN TREES ARE TO BE STAKED AS FOLLOWS: ARBORTIE TREE TIE BRAND OR APPROVED EQUAL IS TO BE ATTACHED AT 2/3 THE HEIGHT OF

- 2 x 2 STAKES DRIVEN 2' INTO EXISTING SOIL, SPACED 180 DEGREES AROUND THE TRUNK. (2 STAKES PER TREE) ALL STAKES TO BE REMOVED WITHIN ONE YEAR.

THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOTBALL. DO NOT COVER THE TOP OF THE ROOTBALL WITH SOIL.

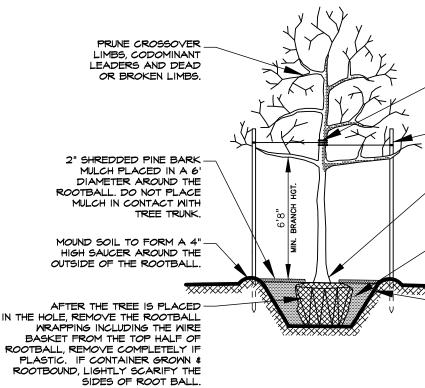
- EXCAVATE HOLE TO A WIDTH AT LEAST 2.5 TIMES THE DIAMETER & A DEPTH EQUAL TO THE ROOT BALL. PLACE ROOTBALL ON UNEXCAVATED OR TAMPED SOIL.

BACKFILL THE REMAINDER OF THE HOLE WITH PLANTABLE SOIL CONSISTING OF LOAM, ORGANIC MATTER AND LOOSE OTHER MATERIALS WHICH ARE LARGER THAN I" IN SIZE. ORGANIC MATTER SHALI CONSTITUTE NOT LESS THAN 4% OR NO MORE THAN 20% OF THE SOIL MIXTURE. THE PH RANGE SHALL BE 5.5-7.5, ADD SOIL MIX IN LAYERS AND SATURATE THE SOIL TO PREVENT THE FORMATION OF AIR POCKETS.

EVERGREEN TREE PLANTING DETAIL NOT TO SCALE (C) 2021 JOHN C. CARTER & CO., INC.

TREE PLANTING DETAIL

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STAKED AS FOLLOWS: ARBORTIE TREE TIE BRAND OR

ALL DECIDUOUS TREES ARE TO BE

APPROVED EQUAL IS TO BE ATTACHED AT 2/3 THE HEIGHT OF

2 x 2 STAKES DRIVEN 2' INTO EXISTING SOIL, SPACED 180 DEGREES AROUND THE TRUNK. (2 STAKES PER TREE) ALL STAKES THAT THE TRUNK FLARE IS VISIBLE

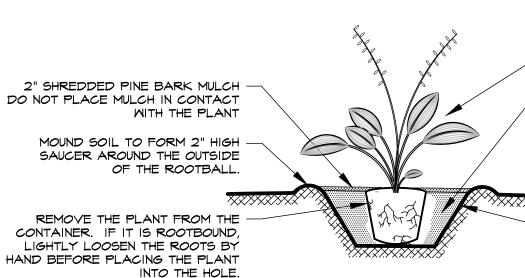
AT THE TOP OF THE ROOTBALL. DO NOT COVER THE TOP OF THE EXCAVATE HOLE TO A WIDTH AT LEAST 5 TIMES THE DIAMETER & A DEPTH

EQUAL TO THE ROOT BALL. PLACE

ROOTBALL ON UNEXCAVATED OR

SCARIFY THE SURFACE OF THE HOLE AND BACKFILL THE REMAINDER OF THE HOLE WITH PLANTABLE SOIL CONSISTING OF LOAM, ORGANIC MATTER AND LOOSE FRIABLE TOPSOIL, FREE OF REFUSE AND OTHER MATERIALS WHICH ARE LARGER THAN I" IN SIZE. ORGANIC MATTER SHALL CONSTITUTE NOT LESS THAN 4% OR NO THE PH RANGE SHALL BE 5.5-7.5, ADD SOIL

MIX IN LAYERS AND SATURATE THE SOIL TO PREVENT THE FORMATION OF AIR POCKETS.

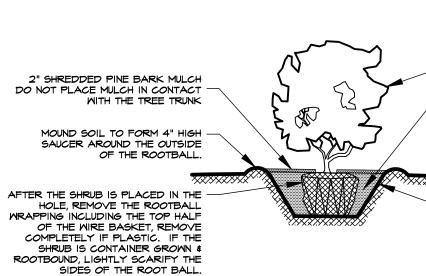


CUT & REMOVE DEAD, BROKEN AND DISEASED VEGETATION.

EXCAVATE THE HOLE TO A WIDTH OF AT LEAST 2 TIMES THE DIAMETER OF AND A DEPTH EQUAL TO THE CONTAINER HEIGHT. PLACE ROOTBALL ON UNEXCAVATED OR TAMPED SOIL.

BACKFILL THE REMAINDER OF THE HOLE WITH PLANTABLE SOIL CONSISTING OF LOAM, ORGANIC MATTER AND LOOSE FRIABLE TOPSOIL, FREE OF REFUSE AND OTHER MATERIALS WHICH ARE LARGER THAN I" IN SIZE. ORGANIC MATTER SHALL

CONSTITUTE NOT LESS THAN 4% OR NO MORE THAN 20% OF THE SOIL MIXTURE. THE PH RANGE SHALL BE 5.5-7.5. PERENNIAL PLANTING DETAIL SATURATE THE SOIL TO PREVENT THE FORMATION OF AIR POCKETS.



DWN. BY: L.M.W.

SHRUB PLANTING DETAIL

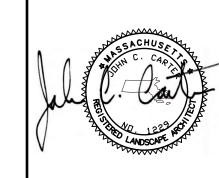
NOT TO SCALE

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PRUNE DEAD, BROKEN AND DISEASED - EXCAVATE THE HOLE TO A WIDTH OF AT LEAST 2.5 TIMES THE DIAMETER OF AND A DEPTH EQUAL TO THE ROOTBALL.

PLACE ROOTBALL ON UNEXCAVATED OR TAMPED SOIL. SCARIFY THE SURFACE OF THE HOLE AND BACKFILL THE REMAINDER OF THE HOLE LOAM, ORGANIC MATTER AND LOOSE FRIABLE TOPSOIL, FREE OF REFUSE AND OTHER MATERIALS WHICH ARE LARGER THAN I" IN SIZE. ORGANIC MATTER SHALI CONSTITUTE NOT LESS THAN 4% OR NO MORE THAN 20% OF THE SOIL MIXTURE. THE PH RANGE SHALL BE 5.5-7.5 ADD SOIL MIX IN LAYERS AND SATURATE

NOT TO SCALE ©2021 JOHN C. CARTER & COMPANY, INC. HE SOIL TO PREVENT THE FORMATION OF AIR POCKETS.



LANDSCAPE REVISIONS

DESCRIPTION

LANDSCAPE NOTES & DETAILS

NEON MARKETPLACE 75 QUINSIGAMOND AVENUE

MAP 5, BLOCK 23, LOTS 68-70,72, 76, 93 WORCESTER. MASSACHUSETTS

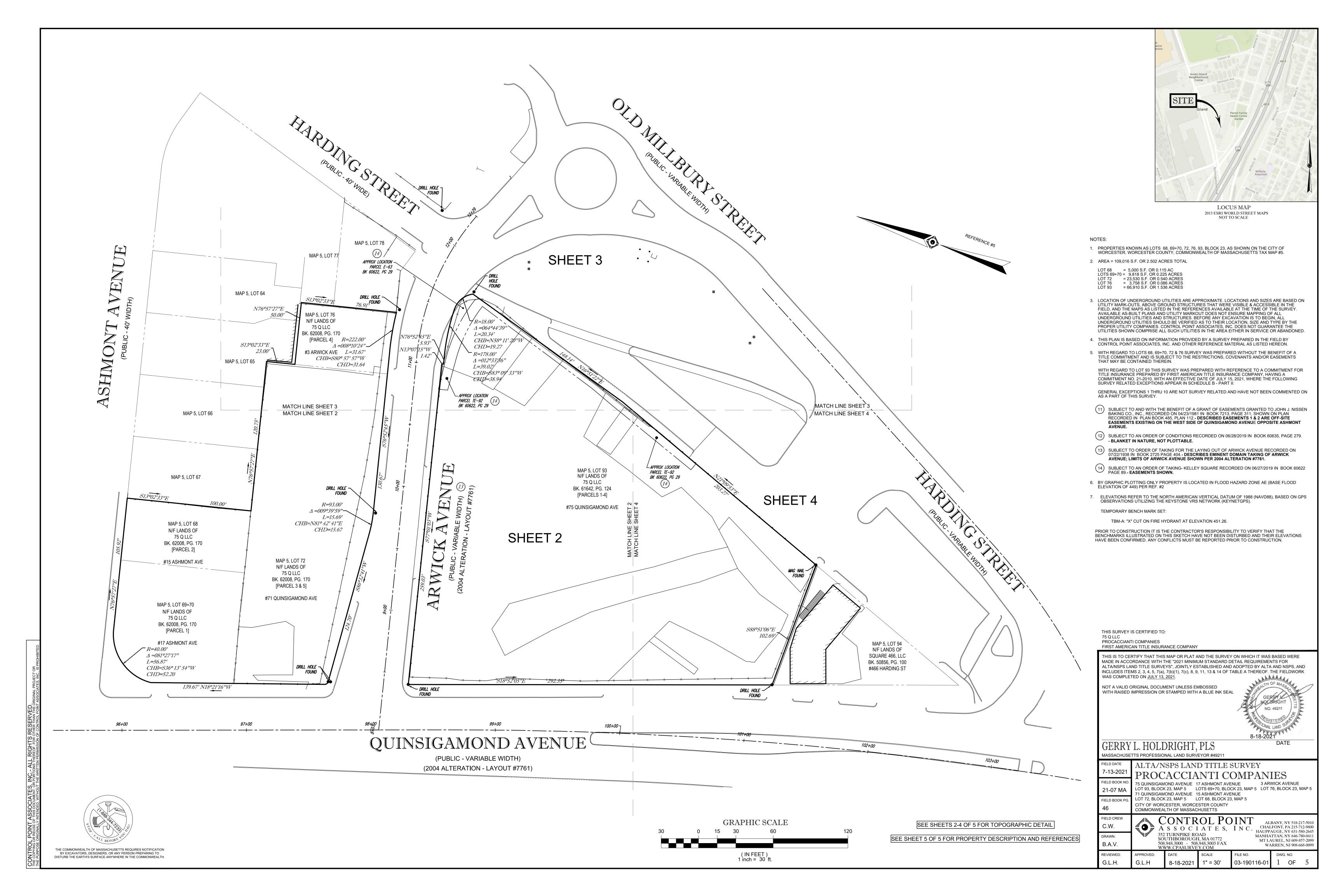
PREPARED BY JOHN C. CARTER & COMPANY, INC. LANDSCAPE ARCHITECTURE

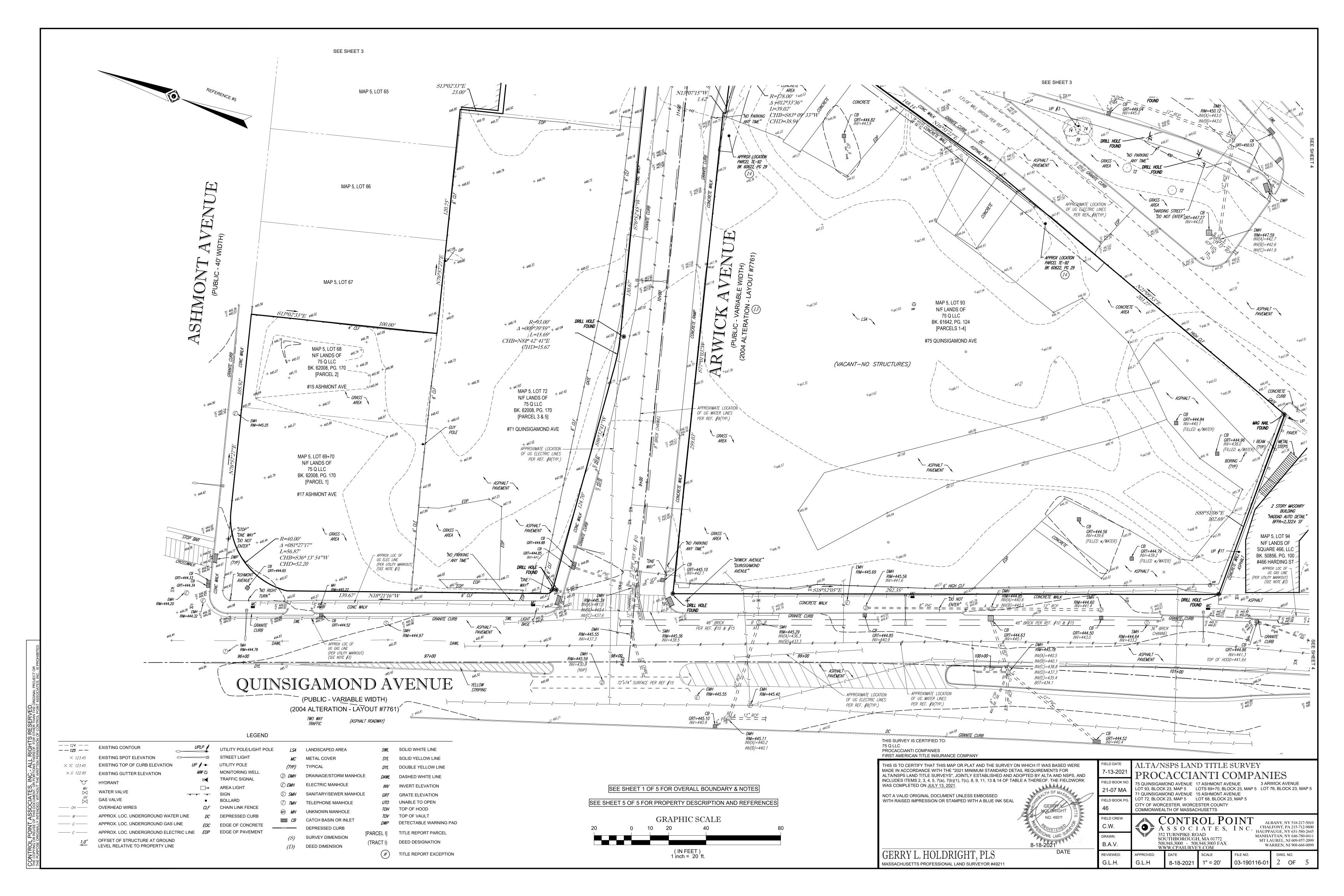
960 Boston Neck Road Narragansett, RI 02882

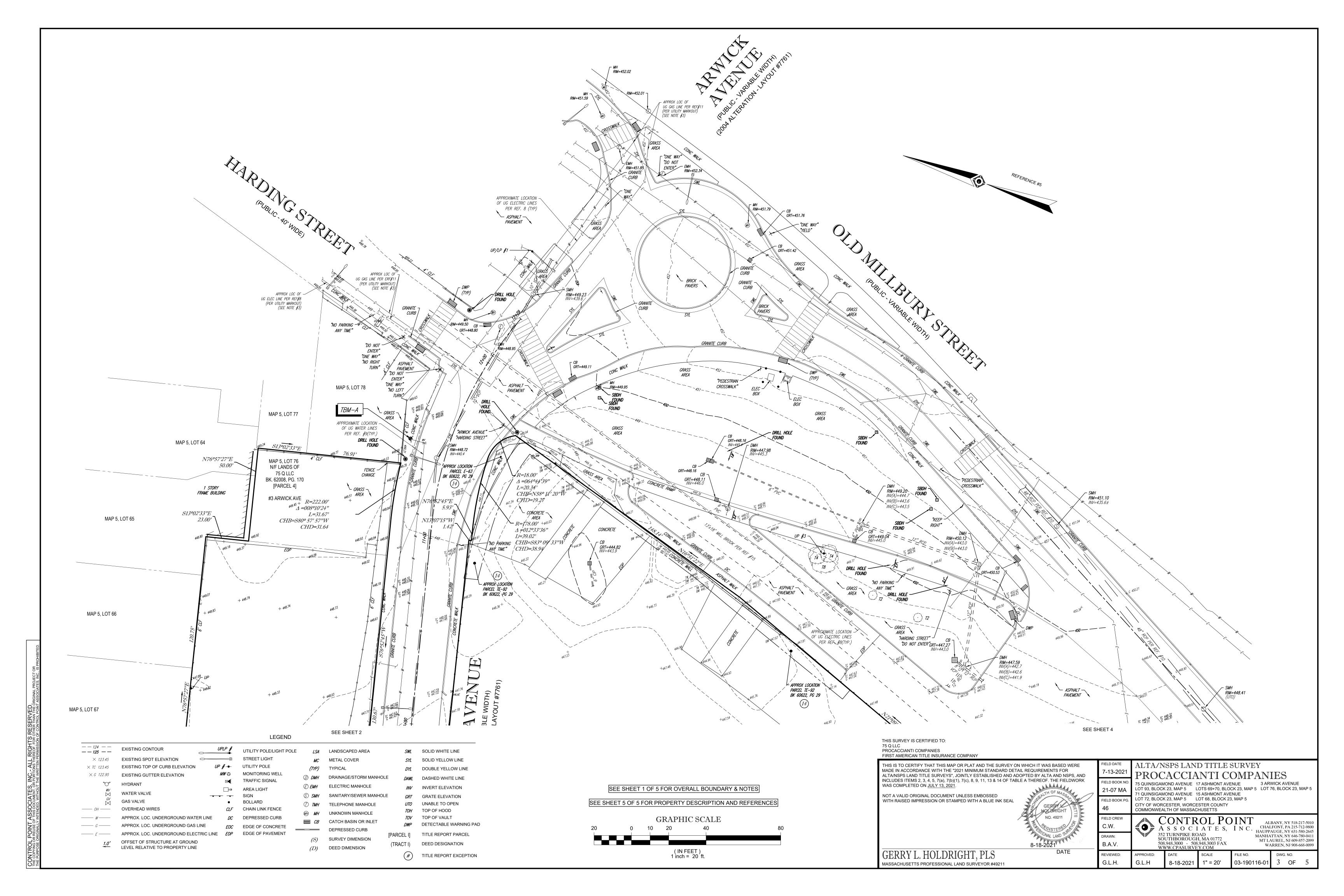
(401)783-3500 Fax: (401) 792-1327 PREPARED FOR

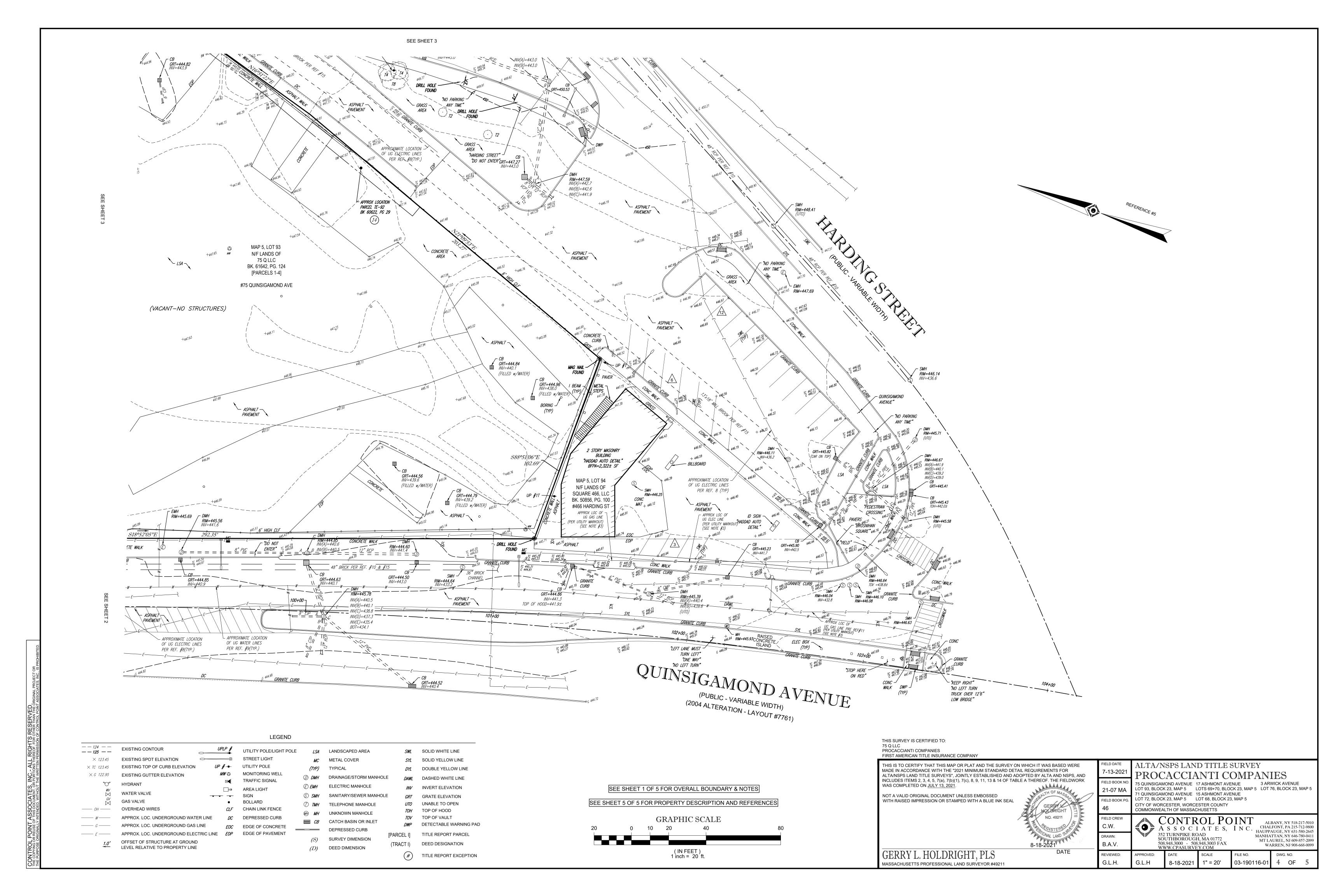
TPG DEVELOPMENT & CONSTRUCTION

1140 Reservoir Avenue Cranston, RI 02920









THE LAND IN WORCESTER, WORCESTER COUNTY, MASSACHUSETTS, TOGETHER WITH THE BUILDINGS SITUATED THEREON, ON THE EASTERLY SIDE OF QUINSIGAMOND AVENUE, IN THE SOUTHERLY PART OF WORCESTER IN THE SECTION KNOWN AS IRVINGTON, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A STONE MONUMENT ON SAID EASTERLY SIDE OF QUINSIGAMOND AVENUE, AT ITS INTERSECTION WITH THE SOUTHERLY SIDE OF ARWICK AVENUE;

THENCE SOUTHERLY, BY THE EASTERLY LINE OF QUINSIGAMOND AVENUE, NINETY THREE FEET (93);

THENCE EASTERLY, IN A LINE PARALLEL WITH SAID ARWICK AVENUE, ONE HUNDRED SIXTY ONE AND EIGHT TENTHS (161.8) FEET TO A MONUMENT;

THENCE NORTHEASTERLY FIFTY TWO AND EIGHT TENTHS (52.8) FEET TO A MONUMENT; THENCE NORTHERLY, FIFTY SEVEN AND TWO TENTHS (57.2) FEET TO A STONE MONUMENT; THENCE WESTERLY BY SAID SOUTHERLY LINE OF ARWICK AVENUE TWO HUNDRED TEN (210') FEET TO THE POINT OF BEGINNING.

BEING LOTS 1 AND 2 ON A PLAN ENTITLED "PLAN OF LOTS OWNED BY M.J.KANE, DATED SEPT. 1907, RECORDED WITH THE WORCESTER DISTRICT REGISTRY OF DEEDS IN PLAN BOOK 33, PLAN 60.

THE LAND IN SAID WORCESTER, SITUATED ON HARDING STREET AND QUINSIGAMOND AVENUE, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING, AT A POINT ON QUINSIGAMOND AVENUE NINETY THREE (93) FEET SOUTHERLY MEASURED ON QUINSIGAMOND AVENUE FROM THE INTERSECTION OF THE SOUTHERLY LINE OF ARWICK AVENUE AND THE EASTERLY LINE OF QUINSIGAMOND AVENUE;

THENCE SOUTHERLY THIRTEEN AND THREE TENTHS (13.3) FEET TO A POINT ON QUINSIGAMOND AVENUE;

THENCE SOUTHEASTERLY BY LAND NOW OR FORMERLY OF BRIDGE MEYLON TWO HUNDRED SIXTEEN AND THREE TENTHS (216.3) FEET TO A POINT ON HARDING STREET FORMERLY CALLED SOUTH HARDING

THENCE NORTHERLY BY THE WESTERLY LINE OF HARDING STREET EIGHTY TWO AND FIVE TENTHS (82.5) FEET TO A STONE MONUMENT;

THENCE STILL NORTHERLY BY THE WESTERLY LINE OF HARDING STREET SIXTY ONE AND ONE TENTH (61.1) FEET TO A STONE MONUMENT;

THENCE WESTERLY SEVENTY FOUR AND SIX TENTHS (74.6) FEET BY LAND NOW OR FORMERLY OF W.S. O'BRIEN AND BEING LOT NO.62 ON A PLAN HEREINAFTER REFERRED TO A STONE MONUMENT;

SAID PLAN BEING RECORDED WITH THE WORCESTER DISTRICT REGISTRY OF DEEDS, BOOK 1537, PAGE 653;

THENCE SOUTHWESTERLY BY LAND NOW OR FORMERLY OF ONE ARVIDSON FIFTY TWO AND EIGHT TENTHS (52.8) FEET TO A POINT;

THENCE WESTERLY BY SAID ARVIDSON LAND ONE HUNDRED SIXTY ONE AND EIGHT TENTHS (161.8) FEET TO THE POINT OF BEGINNING.

THE LAND IN WORCESTER, TOGETHER WITH THE BUILDINGS THEREON, BOUNDED AND DESCRIBED AS

BEGINNING AT A STONE MONUMENT ON THE WESTERLY SIDE OF HARDING STREET AT THE INTERSECTION OF HARDING STREET AND ARWICK AVENUE;

THENCE WESTERLY BY THE SOUTHERLY LINE OF ARWICK AVENUE TEN AND FOUR TENTHS (10.4) FEET TO

THENCE WESTERLY STILL BY THE SOUTHERLY LINE OF ARWICK AVENUE ONE HUNDRED EIGHT (108) FEET

THENCE SOUTHERLY BY LOT 55 ON A PLAN HEREINAFTER REFERRED TO FIFTY-SEVEN AND TWO TENTHS (57.2) FEET TO A STONE MONUMENT;

THENCE EASTERLY BY LOT 61 SEVENTY FOUR AND SIX TENTHS (74.6) FEET TO STONE MONUMENT ON THE WESTERLY LINE OF HARDING STREET;

THENCE NORTHERLY BY THE WESTERLY LINE OF SAID HARDING STREET ONE HUNDRED FOUR (104) FEET

BEING LOT 62 DESCRIBED IN A PLAN OF LOTS DRAWN BY BUTTRICK & PRATT AND RECORDED IN

WORCESTER DISTRICT REGISTRY OF DEEDS, BOOK 1537, PAGE 653.

PARCEL FOUR

TO THE POINT OF BEGINNING.

THE LAND IN SAID CITY OF WORCESTER, WITH ALL THE BUILDINGS AND PRIVILEGES AND APPURTENANCES THERETO BELONGING, SITUATED ON THE EASTERLY SIDE OF QUINSIGAMOND AVENUE AND ON THE WESTERLY SIDE OF SOUTH HARDING STREET, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE EASTERLY LINE OF QUINSIGAMOND AVENUE AT OTHER LAND OF SHELL EASTERN PETROLEUM PRODUCTS, INC.;

THENCE BY SAID LAND S. 77° 09' E. ONE HUNDRED AND TWO AND 85/100 (102.85) FEET TO A POINT ON THE WESTERLY LINE OF SOUTH HARDING STREET;

THENCE N. 32° 54' E.ONE HUNDRED TWENTY ONE AND 80/100 (121.80) FEET TO A POINT AT LAND NOW OR FORMERLY OF ONE BALLARD, BY SAID LINE OF SOUTH HARDING STREET;

THENCE N. 60° 53' W. BY SAID BALLARD LAND TWO HUNDRED SIXTEEN AND 30/100 (216.30) FEET TO A POINT IN THE EASTERLY LINE OF QUINSIGAMOND AVENUE;

THENCE BY SAID LINE OF QUINSIGAMOND AVENUE S. 7° 12' E. ONE HUNDRED EIGHTY FIVE AND 80/100 (185.80) FEET TO THE POINT OF BEGINNING.

BEING LOT NO. 2 ON PLAN OF JOSEPH SWARTZ RECORDED IN THE WORCESTER DISTRICT REGISTRY OF DEEDS, BOOK 2496, PAGE 383.

MEANING AND INTENDING TO DESCRIBE THE SAME PREMISES CONVEYED BY QUITCLAIM DEED DATED DECEMBER 30, 2010 AND RECORDED JANUARY 3,2011 IN BOOK 46913, PAGE 14.

LESS AND EXCEPTING THAT PORTION OF THE ABOVE--DESCRIBED PARCELS TAKEN BY ORDERS OF TAKING RECORDED IN BOOK 2725, PAGE 404 AND IN BOOK 60622, PAGE 89.

FOR TITLE REFERENCE SEE GROUND LEASE RECORDED HEREWITH.

REFERENCES:

- 1. THE TAX ASSESSOR'S MAP OF CITY OF WORCESTER, WORCESTER COUNTY, MASSACHUSETTS, MAP #5.
- 2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, WORCESTER COUNTY, MASSACHUSETTS (ALL JURISDICTIONS), PANEL 806 OF 1075," MAP NUMBER 25027C0806E, EFFECTIVE
- 3. MAP ENTITLED "THE COMMONWEALTH OF MASSACHUSETTS PLAN OF ROAD IN THE CITY OF WORCESTER, WORCESTER COUNTY LAID OUT AS A STATE HIGHWAY BY THE DEPARTMENT OF PUBLIC WORKS," PREPARED BY C.A. MAGUIRE & ASSOCIATES, DATED DECEMBER 23, 1958, LAYOUT NO. 4755
- 4. MAP ENTITLED "THE COMMONWEALTH OF MASSACHUSETTS PLAN OF ROAD IN THE CITY OF WORCESTER, WORCESTER COUNTY ALTERED AND LAID OUT AS A STATE HIGHWAY BY THE DEPARTMENT OF PUBLIC WORKS," DATED JULY 16, 1969, LAYOUT NO. 5532
- 5. MAP ENTITLED "THE COMMONWEALTH OF MASSACHUSETTS PLAN OF ROAD IN THE CITY OF WORCESTER, WORCESTER COUNTY ALTERED AND LAID OUT AS A STATE HIGHWAY BY THE DEPARTMENT OF HIGHWAYS "
- PREPARED BY BRYANT ASSOCIATES, INC., DATED MAY 19, 2004, LAYOUT NO. 7761, PROJECT FILE NO. 600904. 6. MAP ENTITLED "PLAN OF LOTS OWNED BY M.J.KANE," PREPARED BY BUTTRICK & PRATT, DATED SEPTEMBER
- 1907, FILED IN THE WORCESTER DISTRICT REGISTRY OF DEEDS AS BOOK 33, PLAN 60. 7. MAP ENTITLED "PLAN OF PROPERTY IN WORCESTER, MASS. OWNED BY JOHN P. GLOWIK," PREPARED BY
- FRANCIES B. THOMPSON, DATED AUGUST 7, 1958, FILED IN THE WORCESTER DISTRICT REGISTRY OF DEEDS AS
- 8. ELECTRIC FACILITY MAPPING PROVIDED BY NATIONAL GRID, DATED DECEMBER JUNE 3, 2019.
- 9. WATER FACILITY MAPPING, SHEET 166, OBTAINED FROM THE CITY OF WORCESTER GIS. 10. SEWER LAYOUT, SHEET 166, OBTAINED FROM THE CITY OF WORCESTER GIS.
- 11. "MAP ENTITLED "QUINSIGAMOND AVE, ASHMONT ST, ARWICK AVE, WORCESTER" PREPARED BY EVERSOURCE, DATED JUNE 13, 2019, PREPARED FOR GAS LAYOUT.
- 12. MAP ENTITLED "PLAN 01, BUILDING LOTS FOR THE BALLARD LAND," FILED IN THE WORCESTER COUNTY
- 13. MAP ENTITLED "PLAN OF PROPERTY IN WORCESTER, MASS. OWNED BY JOHN GLOWIK" DATED AUGUST 7, 1958, FILED IN THE WORCESTER COUNTY REGISTRY OF DEEDS IN BOOK 243, PLAN 76.
- 14. MAP ENTITLED "PLAN OF PROPERTY SURVEYED FOR RICHARD N. BRODSKY 7-9 ASHMONT AVENUE WEORCESTER, MASSACHUSETTS", PREPARED BY JARVIS LAND SURVEY, INC. DATED MARCH 2, 2018, RECORDED WITH THE WORCESTER COUNTY REGISTRY OF DEEDS IN BOOK 795 PLAN 96.
- 15. DEED TO NEW GARDEN PARK, INC. RECORDED IN IN THE WORCESTER COUNTY REGISTRY OF DEEDS IN BOOK

SEE SHEET 1 OF 5 FOR OVERALL BOUNDARY & NOTES

SEE SHEETS 2 THRU 4 OF 5 FOR TOPOGRAPHIC DETAIL

7-13-2021

THIS SURVEY IS CERTIFIED TO: 75 Q LLC PROCACCIANTI COMPANIES FIRST AMERICAN TITLE INSURANCE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT WAS BASED WERE MADE IN ACCORDANCE WITH THE "2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS", JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 5, 7(a), 7(b)(1), 7(c), 8, 9, 11, 13 & 14 OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON JULY 13, 2021.

NOT A VALID ORIGINAL DOCUMENT UNLESS EMBOSSED WITH RAISED IMPRESSION OR STAMPED WITH A BLUE INK SEAL

DATE

FIELD BOOK NO. 75 QUINSIGAMOND AVENUE 17 ASHMONT AVENUE 3 ARWICK AVENUE LOT 93, BLOCK 23, MAP 5 LOTS 69+70, BLOCK 23, MAP 5 LOT 76, BLOCK 23, MAP 5 21-07 MA 1 QUINSIGAMOND AVENUE 15 ASHMONT AVENUE LOT 72, BLOCK 23, MAP 5 LOT 68, BLOCK 23, MAP 5 FIELD BOOK PG CITY OF WORCESTER, WORCESTER COUNTY COMMONWEALTH OF MASSACHUSETTS CONTROL POINT A S S O C I A T E S, I N C. CHALFONT, PA 215-712-9800 HAUPPAUGE, NY 631-580-2645

ALTA/NSPS LAND TITLE SURVEY

PROCACCIANTI COMPANIES

ALBANY, NY 518-217-5010

WARREN, NJ 908-668-0099

DWG. NO.

352 TURNPIKE ROAD SOUTHBOROUGH, MA 01772 508.948.3000 - 508.948.3003 FAX WWW CPASURVEY COM

MANHATTAN, NY 646-780-041 MT LAUREL, NJ 609-857-2099 B.A.V. REVIEWED: 03-190116-01 G.L.H. G.L.H 8-18-2021 1" = 20'

GERRY L. HOLDRIGHT, PLS MASSACHUSETTS PROFESSIONAL LAND SURVEYOR #49211